Samsung Spex™

(S C H - r 2 1 0   S e r i e s)
P O R T A B L E   T R I - B A N D
M O B I L E   P H O N E

User Manual
Please read this manual before operating your
phone, and keep it for future reference.

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Table of Contents

Section 1: Getting Started

This section explains how to start using your Samsung Spex^{TM} phone by activating your service, setting up your Voicemail, or getting an understanding of how this manual is put together.

Understanding this User Manual

The chapters of this manual generally follow the same order as the menus and sub-menus in your phone. A robust index for quick reference to most features begins on page 106.

Also included is important safety information that you should know before using your phone. Most of this information is near the back of the manual, beginning on page 83.

Notes and Tips

Throughout this manual there is text that is set apart from the rest. These are intended to point out important information, quick methods for activating features, to define terms, and more. The definitions for these methods are as follows:

• **Notes** — Explain alternative options within the current feature, menu, or sub-menu.

• **Tips** — Provide quick or innovative methods for performing functions related to the subject at hand.

• **Important** — Points out important information about the current feature that could affect performance, or even damage your phone.

Installing the Battery

Note: Your phone comes packaged with a partially charged rechargeable standard Li-Ion battery and travel adapter.

Important!: You must fully charge the battery the first time you use your phone, otherwise you could damage the battery.

1. Insert the top end of the battery first, matching the gold contacts on the top end of the battery to those inside the phone.
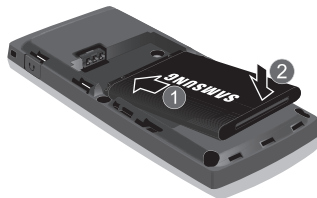
2. Press the bottom end of the battery down into the phone.

3. Place the battery cover over the battery.

4. Slide the cover upward into place.

Remove the Battery

Important!: You must unplug the Travel Adapter (if it is connected) before removing the battery from the phone during charging to avoid damage.

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1. If your phone is on, press and hold the [END] key to turn off the phone.

2. Press the battery cover at point (1) and slide the cover toward the bottom end of the phone.

3. Lift the battery cover (2) up and away from the phone, bottom end first.

4. Lift the battery (3) up and away from the phone, bottom end first.

Charging the Battery

Your phone is powered by a rechargeable standard Li-Ion battery. Only use Samsung-approved charging devices and batteries.

Samsung accessories are designed to maximize battery life. **Use of other accessories may invalidate your warranty and may cause damage.**

Use the Travel Adapter

The travel adapter included with your phone is a convenient, light-weight charger that rapidly charges your phone from any 120/220 VAC outlet.

1. Plug the large end of the Travel Adapter into a standard 120 VAC or 220 VAC wall outlet.

Note: For connection to an electrical supply not located in North America, you must use an adaptor of the proper configuration for the power outlet. Use of the wrong adapter could damage your phone and void your warranty.

2. Insert the smaller end of the Travel Adapter into the charger/accessory connector on the right side of your phone.

Incorrect

Important!: You must unplug the adapter before removing the battery from the phone during charging to avoid damage.

Low Battery Indicator

The battery indicator ( ) in the upper-right corner of the display indicates power level. Monitor the battery strength and ensure your battery is adequately charged.

Three bars ( ) indicate a full charge.

An empty battery icon ( ) indicates a near empty battery.

A blinking empty battery icon ( ) and a tone sounding indicate you have two to three minutes before the battery is too low to operate the phone.

If you continue to use your phone without charging its battery, the phone will shut down.

Activating Your Phone

If necessary, contact your Wireless Carrier and follow their instructions for obtaining service. We suggest that you read this manual to fully understand the services your phone supports.

Turning Your Phone On

▶ Press and hold until the display lights.

Note: As with any other radio-transmitting device, do not touch the antenna while using your phone as this can affect call quality and can cause the phone to operate at a higher power level than is necessary.

• The phone begins searching for a network signal.
• Once the phone finds a signal, the time, date, and day appear in the bottom of the display.
• You're now ready to place and receive calls.

Note: If you are outside of your carrier's coverage or roaming area, the No Service icon ( ) appears at the top of the phone's display. If you cannot place or receive calls, try later when service is available, or at another location.

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Turn Your Phone Off

▶ Press and hold for two or more seconds. Your phone powers off.

Note: If your phone is on and you press for less than one second, the phone will not power off. This prevents your phone from being turned off accidentally.

Setting Up Your Voicemail

Voicemail allows callers to leave voice messages, which can be retrieved any time.

Note: Once your Voicemail account has been set up, you can use the Voicemail folder (under the Message menu) to view details of voice messages in your Voicemail box.

1. In standby mode, press and hold the key or enter your own mobile number and press to dial Voicemail.

2. Follow the prompts in the new user tutorial to setup your mail box.

Listen to Voicemail

▶ In standby mode, press and hold the key or enter your own mobile number and press to dial Voicemail. After connecting, you will hear your voice greeting. You are prompted to enter your password.

Section 2: Understanding Your Phone

This section outlines some key features of your phone. It also describes the screen format and the icons that will be displayed when the phone is in use.

Features of Your Phone

Domestic and international voice and text messaging service (available on participating networks).

• High speed data [CDMA 2000 1x Advanced Wireless Services (AWS) Technology]

• Bluetooth® Wireless Technology (see Note)

• Global Positioning (GPS) Technology

• PIM Functions

• Text (SMS) Messaging

• Speakerphone

Note: The Spex phone supports the wireless handsfree profile and the serial port profile for Bluetooth® wireless technology. The Spex does not support Bluetooth OBEX profiles.

Front View of Your Phone
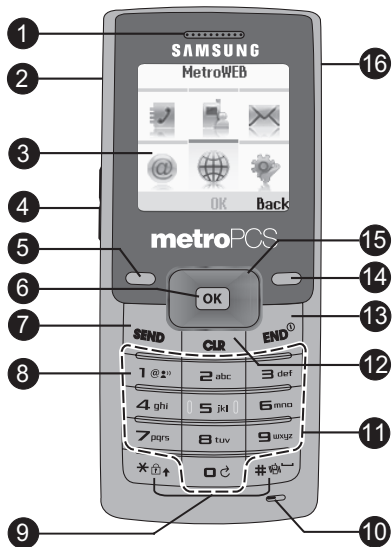
Features

1. **Earpiece / Speaker** — Lets you hear ringing and alert tones, alarm tones, and the other parties to calls.

2. **Power / Accessories Connector** — Used to plug in charging accessories and to connect any available accessory cables to your phone.

3. **Display** — Indicates the status of your phone, including numbers dialed, feature and function screens, status icons, message indicators and contents, signal strength, and so on.

4. **Volume Key** — In standby mode, lets you adjust the ring volume. When receiving a call, mutes the ringer. During a call, lets you adjust the voice volume. In Menu mode, lets you scroll through the phone menu options.

5. **Left Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom left corner of the Display.

6. **MENU / OK Key** — In standby mode, launches the Main Menu. Pressing when navigating through a menu accepts the highlighted option.

7. **SEND Key** — Lets you place or receive a call. In standby mode, press the key once to access the recent call log.

8. **Voicemail Key** — Lets you speed dial your Voicemail account to review your voice messages.

9. **Special Function Keys** — Enter special characters. Perform various functions.

10. **Microphone** — Lets the other caller hear you clearly when you are speaking to them.

11. **Alpha-numeric Keys** — Use these keys to enter numbers, letters, and characters.

12. **CLR Key** — Deletes characters from the display when you are in text entry mode. Press this key to return to the previous menu or screen when navigating features on your phone.

13. **END Key** — Ends a call. If you press and hold the **END** key, the power goes On or Off. When you receive an incoming call, press to send the call to voicemail.

14. **Right Soft Key** — Used to navigate through menus and applications and to select the choice indicated at the bottom right corner of the Main Display.

15. **Navigation Key** — In standby mode, launches selected functions or applications. In Menu mode, lets you scroll through the phone menu options.

16. **Headset Connector** — Used to connect hands-free headsets to your phone.

Command Keys

Soft Keys

Functions for the soft keys are defined by what appears above each in the display. There are two soft keys, the Left soft key and the Right soft key.

Left Soft Key

Some functions of the Left soft key ( ) are as follows:

• In standby mode, press the **Contacts** soft key ( ) to open the Contacts Find screen.

• When the Left soft key function is Edit, press the **Edit** soft key ( ) to edit a Contacts entry.

Right Soft Key

Some functions of the Right soft key ( ) are as follows:

• In standby mode, press the **@metro** soft key ( ) to launch the @metro screen.

• When the Right soft key function is Options, press the **Options** soft key ( ) and a pop-up menu appears.

• When the Right soft key function is Back, press the **Back** soft key ( ) to back up one menu level.

MENU / OK Key

• In a menu, press the **MENU/OK** key (OK) to accept the highlighted selection.

• When the **MENU/OK** key function is Edit, press the **Edit** key (OK) to edit a Draft message.

Clear Key

The **CLR** key (CLR) is used to erase or clear numbers, text, or symbols from the display. You can also use the CLR key to return to a previous menu or to return to standby mode from any menu.

• If you enter an incorrect character, briefly press CLR to backspace (and delete) the character.

• To erase the entire sentence, press and hold CLR .

• To back up one menu level, briefly press CLR .

END Key

• Press and hold the **END** key (END) to turn on your phone.

• Briefly press END once to disconnect a call.

• Press END to return to standby mode from any menu, or to cancel the last input.

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SEND Key

The **SEND** key ( ) is used to answer calls, dial calls, and to recall the last number(s) dialed, received, or missed.

- Press once to answer calls.
- Enter a number and briefly press to make a call.
- Briefly press in standby mode to display a list of recent calls to and from your phone.
- Press twice in standby mode to call the most recent number.
- Press to pick up a waiting call. Press again to switch back to the other call.

Navigation Key

Use the directional keys on the Navigation key ( ) to browse menus, sub-menus, and lists. In standby mode, each directional key also acts as a shortcut to launch applications.

Understanding the Display Screen

1. The top line of your phone's display contains icons that indicate network status, battery power, signal strength, connection type, and more.
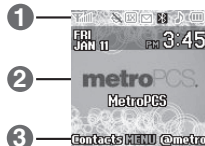
2. The center portion of the display shows information such as call progress information, messages, and photos.

3. The bottom line of the display shows current soft key functions. The sample screen shows that pressing the Left soft key ( ) will display the Contacts **Find** screen, pressing the **MENU/OK** key ( ) will display the Main Menu, and pressing the Right soft key ( ) will show the @metro screen.

Display Screen Icons

Your Spex phone can show you definitions of the icons that appear on the top line of the display.

To access the Icon Glossary:

► In standby mode, press , then select **Tools & Settings** ➔ **Settings** ➔ **Phone Info** ➔ **Icon Glossary**. A list shows of the icons that can appear on the top line of the displays.

Dialogue Boxes

Dialogue boxes prompt for action, inform you of status, or warn of situations such as low battery. Dialogue boxes and their definitions are outlined below.

- Choice

– **Example:** "Save Message?"
- Reconfirm
 – **Example:** "Erase All Messages?"
- Performing
 – **Example:** "Sending..." "Connecting..."
- Completed
 – **Example:** "Message Saved"
- Information
 – **Example:** "New Message"
- Error
 – **Example:** "System Error!"
- Warning
 – **Example:** "Low Battery," "Memory Full!"

Backlights

Backlights illuminate the display and the keypad. When you press any key or open the phone, the backlights come on. They go off when no keys are pressed within a period of time set in the **Backlight** menu.

Note: During a phone call, the display backlight dims and turns off after 10 seconds to conserve battery power, regardless of the **Backlight** setting.

(For more information, refer to *"Backlight"* on page 71)

Your Phone's Modes

Call Answer Mode

You can choose to answer a call by pressing any key except ![end key] or ![key], or by pressing only the ![send key] key. (For more information, refer to *"Call Answer"* on page 74)

Input mode

Input mode determines how you enter text, numbers, and symbols. While at any text entry screen, press the Left soft key (![left soft key]), then choose the input mode from the pop-up menu using the Navigation key.

Optional input modes are **T9 Word**, **Abc**, **ABC**, **Symbols**, and **123**. (For more information, refer to *"Entering Text"* on page 25)

Tip: You can cycle between **T9 Word**, **Abc**, and **123** by repeatedly pressing and holding the ![asterisk key] key until the phone beeps.

Lock Mode

When the phone is in Lock Mode, restrictions are placed on phone use. You can receive calls and messages, but cannot place outgoing calls (except for emergency numbers) until you unlock the phone. Lock Mode also restricts access to menus and the Volume key. Unlock your phone by entering the lock code when prompted. (For more information, refer to *"Change Lock"* on page 77)

Standby Mode

Standby mode is the state of the phone once it has found service and is idle. The phone goes into standby mode:

• After you power the phone on.

• When you press after a call or from within a menu.

In standby mode, you will see the time, day, and date as well as all phone status icons.

Place Calls in Standby Mode

1. While in standby mode, enter a phone number, and press to place a call.

2. Press to return to standby mode.

Receive Messages in Standby Mode

You can receive messages in standby mode. An alert tone sounds and a notification message appears in the display when a new message arrives. The following call message options appear:

• **View Now** — This selection allows you to view the messages now.

• **View Later** — This selection allows you to view the messages at a later date.

Highlight the desired viewing option and then press **OK**.

Talk Mode

You can place and receive calls only when your phone is on. While in a call your phone is in talk mode. Press the **Options** soft key to display a list of menu options. (For more information, refer to *"In-Use Menu"* on page 17.)

Speakerphone Mode

To share a call with other people nearby, place your phone in Speakerphone Mode by pressing the **Options** soft key and selecting **Speaker On** during the call.

Caution!: Keep the phone away from you ear while in Speakerphone Mode. (For more information, refer to *"Responsible Listening"* on page 92)

To disable Speakerphone Mode, press **Options** and select **Speaker Off** or end the call.

Silent Mode

Silences the tones your keypad makes when you press a key.

To enter Silent Mode:

▶ In standby mode, press and hold . "**Entering Silent Mode**" briefly appears in the display and your phone returns to standby mode.

To exit Silent Mode:

▶ While in Silent mode and standby mode, press and hold
   [#]. "**Exit Silent Mode**" briefly appears in the display and
   your phone returns to standby mode.

Vibrate Mode

While in Vibrate Mode, your phone does not ring to indicate
incoming calls or alarms, it vibrates instead.

To enter Vibrate Mode:

▶ In standby mode, repeatedly press the Volume key
   ([   ]) down until "**Vibrate**" appears in the display.

Note: The Volume key is on the left side of phone.

Adjust the Ringer

In standby mode, press [   ] up or down.

1. In standby mode, press [   ] up or down to set the call
   ringer volume as desired.

   Options are:

   - **Ringer Off**   - **Medium**
   - **Vibrate**   - **Medium/High**
   - **Low**   - **High**

   - **Low/Medium**   - **Vibrate/High**

When you are satisfied with the setting, press **SET**. Your phone
returns to standby mode.

You can also enter the **Volume** > **Voice Calls** sub-menu by
pressing **MENU/OK** ➔ **Tools&Settings** ➔ **Settings** ➔ **Sound
Settings** ➔ **Volume** ➔ **Voice Calls**. Use the Volume key ([   ])
on the left side of your phone to adjust the ringer volume setting.

The Vibrate icon (|||||) appears in the display when the phone is
in Vibrate mode. The Vibrate/Ring icon (||||) appears in the
display when the phone is in Vibrate/High mode.

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Section 3: Call Functions

This section explains how to make or answer a call. This section also describes the features and functionality associated with making or answering a call.

Making a Call — Number Entry Dialing

1. With the phone on, enter the number you wish to call using the keypad.

2. Press ![send] to place the call.

Dialing Emergency Numbers

You can dial any of the numbers 911, *911, or #911 to place an emergency call.

If you dial 911, *911, or #911 and press ![send], your phone dials the emergency number 911, automatically.

Important!: Emergency number 911 is hard-coded into your phone. You can dial this number almost any time, even when the phone is locked or restricted.

If you call 911 an audible tone is heard and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings necessary to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for any other essential or emergency communications.

Manual Pause Calling

When you call automated systems (like banking services), you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses.

To manually call a number with pause(s) without storing it to your Contacts:

1. Enter the number you wish to call.

2. Press the **Options** soft key. A pop-up menu containing the following pause options appears in the display:

   • **2-Sec Pause** — A 2-second pause after which dialing resumes.
   • **Wait** — A hard pause (waits for input from you).

3. Select the desired pause option to include the pause in your number sequence.

4. Press [phone key] to call the number.

Making a Call — Contacts Dialing

After you store phone numbers and contact names in your phone's Contacts list, you can dial any Contacts entry without having to remember and enter the entire phone number.

To dial a Contacts entry:

1. In standby mode, press **Contacts** ([key]). The Contacts **Find** screen appears in the display.

Tip: You can also access the Contacts Find screen from standby mode by pressing **MENU/OK** ➔ **Contacts** ➔ **Find**.

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2. Use the keypad keys to enter the first few letters of the name of a Contacts entry you want to call. (For more information, refer to *"Entering Text"* on page 25)

3. Use the Up/Down Navigation keys to highlight the Contacts entry you want to dial.

To dial the Default Number for this Contact:

4. Press [phone key].

Tip: You can select any number stored in a Contacts entry as the Default Number. For more information, refer to *"Editing Contacts Name and Numbers"* on page 31

To dial a Contact number other than the Default Number:

5. After highlighting the desired Contacts entry, use the Left/Right navigation key to display phone numbers stored for this Contact.

6. When the particular number you want to dial appears, press [phone key].

Making a Call — Speed Dialing

You can store phone numbers and contact names in your phone's Contacts list. Speed Dialing lets you quickly and easily dial any contact in your Contacts list by using that contact's Speed Dial number in the list. You can assign and change Speed Dial numbers for your Contacts. (For more information, refer to *"Speed Dial"* on page 35)

One-Touch Dialing

Speed Dial numbers 002 through 009 are One-Touch dialing numbers. You can call the Contacts phone numbers assigned Speed Call numbers 002 through 009 by pressing and holding a single key.

Example: For location number 003, press and hold ⌨ until the name and number appear in the display and the number is dialed.

Two-Touch Dialing

Speed Dial numbers 010 through 099 are Two-Touch dialing numbers.

Example: For location number 013, briefly press ⌨, then press and hold ⌨ until the name and number appear in the display and the number is dialed.

Three-Touch Dialing

Speed Dial numbers 100 through 999 are Three-Touch dialing numbers.

Example: For location number 113, briefly press ⌨, briefly press ⌨ again, then press and hold ⌨ until the name and number appear in the display and the number is dialed.

Pause Dialing From a Contacts Entry

• If you speed dial a contact that contains (two-second) T pause(s), simply wait for the pauses to pass and the dialing to complete.

• If you speed dial a contact that contains (hard) P pause(s), wait for the appropriate prompt(s) from the number you are calling (credit card number, bank account number, and so on) and enter the appropriate response(s).

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In-Use Menu

You can access a number of menus and features while in a call.

1. While in a call, press the **Mute** / **Unmute** soft key to disable/ enable the microphone.

2. While in a call, press the **Options** soft key. The following options pop-up in the display:

• **Message** — Display the **Messages** menu.
• **Contacts** — Display the Contacts **Find** screen.
• **Recent Calls** — View your **All Calls** log.
• **Send DTMF** — Send your phone number as DTMF tones to the other person on the call.
• **Voice Privacy** — When set to **Enhanced**, the phone sounds an audible beep when you loose privacy (encryption) on a CDMA connection.
• **Location** — Turn your GPS location on or set GPS location for emergency calls only.
• **Speaker On** / **Off** — Enables/disables Speakerphone mode.

3. With the In-Use Menu showing, do one of the following:

• To select a menu option, highlight a menu or feature by using the navigation key, then press ⬛OK⬛ to open the highlighted menu or to activate the highlighted feature.
• To exit the In Use menu, press ⬛CLR⬛.

Answering a Call

Your phone notifies you of a call in the following ways:

• A ring tone sounds and/or your phone vibrates (Your phone provides: seven ring volume settings including 1- beep, Vibrate, or Ringer Off, and/or different ring types to distinguish callers.)

• A phone number (unless blocked by the caller) and a name appear in the display (If the caller's number and name are stored in your Contacts list).

• If the caller can't be identified, **Call from unavailable#**, **Call from restricted number**, or no number appears in the display.

Your phone continues to notify you of the call until one of the following events occurs:

• You answer the call.

• You ignore the call.

• The calling party ends the call.

• The call is sent to voicemail.

Answering an Incoming Call

▸ Press [icon]. The ring tone and/or vibration stops and the caller's voice can be heard in the earpiece.

Tip: You can set your phone to answer calls automatically or when you press any key but [icon]. (For more information, refer to *"Call Settings"* on page 74)

Rejecting a Call

When you reject an incoming call, the call is immediately forwarded to your voicemail.

▸ During an incoming call, press the **Ignore** soft key. The caller is immediately forwarded to your voice mail.

Tip: You can mute the ringer to ignore an incoming call by pressing the **Quiet** soft key.

Adjusting the Call Volume

In standby mode, repeatedly press the Navigation key Up or Down until the desired **Voice Calls** level appears in the display, then press the **SET** soft key.

Calls Log

The Calls log retains information about Outgoing, Incoming, and Missed calls. You can also view times for your last call and the time totals for all calls.

Review the Calls Log

1. In standby mode, press **MENU/OK** ➔ **Calls**. The following Calls log options appear in the display:

   • **Outgoing Calls**
   • **Incoming Calls**
   • **Missed Calls**

- **All Calls**
- **Call Timer**
- **Data Counter**

2. Use the Navigation key to highlight the desired Calls log, then press the **OK** soft key. A list of calls appears in the display.

Note: In cases where there is a Contacts match for a Calls log entry, the name associated with the number appears in the display instead of the number.

The following subsections describe the various Calls log options.

Outgoing Calls

Your phone retains information about the last 90 outgoing calls and stores them in the Outgoing Calls log. You can review the Outgoing Calls log for the time and date of a call, as well as other information.

Tip: To quickly view your most recent calls, briefly press ⟍ in standby mode. Up to 270 of your most recent outgoing, incoming, and missed calls appear in the display.

1. In standby mode, press **MENU/OK** ➔ **Calls** ➔ **Outgoing Calls**. A list of your outgoing calls appears in the display.

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2. Use the Navigation key to highlight a call entry, then press **OPEN** (⟨ OK ⟩) to view further information about the call.

3. Press the **Msg** soft key to send a text message to the number shown in this outgoing call record.

4. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:

- **Save** the phone number in this outgoing call record to a Contacts entry (New or Existing).
- **Details** — Contacts entries only — Shows details of the Contacts entry you called.
- **Erase** this outgoing call record. (If this is a recent call, it will no longer appear in the Recent Calls list.)
- **Lock** / **Unlock** this outgoing call record.
- **Erase all** outgoing call records.
- **View Timer** for outgoing call records.

5. Use the Navigation key to highlight the desired option, then press **OK** (⟨ OK ⟩) to perform the highlighted option's function.

Incoming Calls

Your phone retains information about the last 90 incoming calls and stores them in the Incoming Calls log. You can review the Incoming call log for the time and date of the call, as well as other information.

1. In standby mode, press **MENU/OK** ➔ **Calls** ➔ **Incoming Calls**. A list of your incoming calls appears in the display.

2. Use the Navigation key to highlight a call entry, then press **OPEN** (**OK**) to view further information about the call.

3. Press the **Msg** soft key to send a text message to the number shown in this incoming call record.

4. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:

- **Save** the phone number in this incoming call record to a Contacts entry (New or Existing).
- **Details** — Contacts entries only — Shows details of the Contact who called you.
- **Erase** this incoming call record. (If this is a recent call, it will no longer appear in the Recent Calls list.)
- **Lock** / **Unlock** this incoming call record.
- **Erase all** incoming call records.
- **View Timer** for incoming call records.

5. Use the Navigation key to highlight the desired option, then press **OK** (**OK** S) to perform the highlighted option's function.

Missed Calls

Your phone retains information about the last 90 missed calls (calls that were never answered) and stores them in the Missed Calls log. You can review the Missed Calls log for the time and date of the call, as well as other information.

1. In standby mode, press **MENU/OK** ➔ **Calls** ➔ **Missed Calls**. A list of your missed calls appears in the display.

2. Use the Navigation key to highlight a call entry, then press the **OPEN** soft key to view further information about the call.

3. Press the **Msg** soft key to send a text message to the number shown in this missed call record.

4. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:

- **Save** the phone number in this missed call record to a Contacts entry (New or Existing).
- **Details** — Contacts entries only — Shows details of the Contact who called you.
- **Erase** this missed call record. (If this is a recent call, it will no longer appear in the Recent Calls list.)
- **Lock** / **Unlock** this missed call record.
- **Erase all** missed call records.
- **View Timer** for missed call records.

5. Use the Navigation key to highlight the desired option, then press the **OK** soft key to perform the highlighted option's function.

All Calls

You can access calls from the **Outgoing Calls**, **Incoming Calls**, and **Missed Calls** logs individually, or you can use the **All Calls** option to access all calls from all call logs.

1. In standby mode, press **MENU/OK** ➔ **Calls** ➔ **All Calls**. A list of all of your calls appears in the display.

2. Use the Navigation key to highlight a call entry, then press the **OPEN** soft key to view further information about the call.

3. Press the **Msg** soft key to send a text message to the number shown in this call record.

4. Press the **Options** soft key. A pop-up menu containing the following options appears in the display:

   • **Save** the phone number in this call record to a Contacts entry (New or Existing).
   • **Details** — Contacts entries only — Shows details of the Contact who called you.
   • **Erase** this call record. (If this is a recent call, it will no longer appear in the Recent Calls list.)

   • **Lock** / **Unlock** this call record.
   • **Erase all** call records.
   • **View Timer** for this call record.

5. Use the Navigation key to highlight the desired option, then press the **OK** soft key to perform the highlighted option's function.

Call Timer

View the duration of your last call, total calls, and calls made during the life cycle of your phone using the Call Timer feature.

Note: Call Timer is not for billing purposes.

1. In standby mode, press **MENU/OK** ➔ **Calls** ➔ **Call Timer**. The following options appear in the display:

   • **Last Call** — View the duration of your last call.
   • **Outgoing Calls** — View the durations of your outgoing calls.
   • **Incoming Calls** — View the durations of you incoming calls.
   • **Roaming Calls** — View the durations of your roaming calls.
   • **All Calls** — View the duration of all calls on your phone since the last reset.
   • **Last Reset** — View the date and time of the last reset of call timers.
   • **Lifetime Calls** — View the lifetime counter of all calls since service was initiated. (The only option is to Reset All, which resets all of the other timers. Lifetime call records cannot be reset.)

2. Use the Navigation key to scroll to the desired counter.

3. Press [CLR] to exit the menu.

Data Counter

Use Data Counter to view the amount of data that has been sent or received (or a total of both) using the data services that your phone supports, such as Axcess Shop. The Data Counter can be a helpful tool for monitoring data usage, especially if your service agreement has specified limits.

1. In standby mode, press **MENU/OK ➔ Calls ➔ Data Counter**.

The following options appear in the display:

- **Transmit** — View the amount of data (in kilobytes) that your phone has transmitted since last being reset.
- **Received** — View the amount of data (in kilobytes) that your phone has received since last being reset.
- **Total** — View the amount of data (in kilobytes) that your phone has transmitted and received since last being reset.
- **Last Reset** — View the last date and time the counters were reset.
- **Lifetime Data Counter** — View the amount of data sent/received since service was activated. (The only option is to Reset All, which resets all of the other counters. Lifetime data counter records cannot be reset.)

Roaming

What is Roaming?

Roaming lets you use your phone when you travel outside of your Wireless Provider's coverage area. The Roaming icon ( ) appears in the top line of the display when Roaming is active, and extra charges may apply when making or receiving calls.

Some features may be unavailable while roaming. Roaming also consumes additional power from the battery requiring more frequent recharging. Contact your Wireless Provider for more information about Roaming.

How Roaming Works

Roam Option lets you set roaming preferences if you move in and out of your home network. The following roaming options are available:

- **MetroPCS only** — Your phone is available for normal operation only in the designated coverage area.
- **Automatic** — Your Wireless Provider's Preferred Roaming List (PRL) of networks is used to acquire service. If no preferred networks are found, any digital system is acquired.

Tip: For more information, refer to *"System Select"* on page 80.

Section 4: Menu Navigation

This section explains the menu navigation and keypad shortcuts for your phone.

Menu Navigation

Access the menus and sub-menus in your phone using the Navigation key ([OK]) and soft keys (or), or use a shortcut.

1. In standby mode, press the **MENU/OK** key ([OK]). The Main Menu appears in the display.

Note: More than one menu may appear in your display. This setting can be modified in the **Display** > **Menu Style** menu. (For more information, refer to *"Settings"* on page 69)

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2. Use the Navigation key to browse through the menus.

3. Press [OK] to access a desired menu or sub-menu.

4. Press **Back** ( ) or [CLR] to return to the previous menu.

Navigate Using Menu Shortcuts

You can also access menus and sub-menus using menu numbers. To select a menu option, just press the number key that corresponds with the number shown with the desired menu option. In this way, you can reduce the number of key presses needed to drill down through your phone's menus.

Example: Pressing [OK] , [5] (for **Tools&Settings**), [2] (for **Settings**), [3] (for **Sound Settings**), [2] (for **Ringer Type**), [1] (for **Voice Calls**), [1] (for **My Ringtones**) to reach a list of available ringtones is much shorter than repeated use of the Navigation key to highlight each option followed by pressing [OK] .

Quick Search Method

For information on enabling Quick Search, see *"Quick Search"* on page 81.

1. In standby mode and with Quick Search enabled, press the first few numeric keys that correspond to the letters of the menu option or sub-menu title.

Example: To search for "Inbox" you would enter

462

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2. Press the Down navigation key. A list of menu titles that begin with letters corresponding to the number keys you pressed appears in the display.

3. Highlight the searched for menu or menu item, then press
   [OK].

Navigation Key Shortcuts

In standby mode, press a Navigation key to launch the key's
corresponding application in the pattern shown here.

Contacts

MetroWEB ———— [OK] ———— @metro

Messages
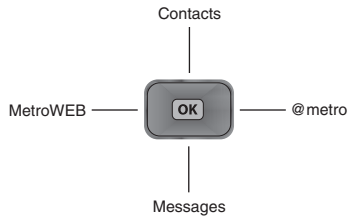
Section 5: Entering Text

This section outlines how to select the desired text entry mode when entering characters using the phone keypad. This section also describes how to use the T9 predictive text entry system to reduce the number of key strokes needed to enter text.

Changing the Text Entry Mode

Text messages can be made up of alphabetical characters, numbers, and symbols. You can use the following text entry modes to simplify text entry:

• **T9 Word** — Press each phone key only once to enter the letter of the word that you're spelling. T9 WORD mode letter options are:
  – **T9 Word** — Enter initial capital letters
  – **T9 WORD** — Enter all upper case letters
  – **T9 word** — Enter all lower case letters

• **Abc** — Enter letters by repeatedly pressing each phone key until the desired character (as shown on the key) appears in the display. ABC mode letter options are:
  – **Abc** — Enter initial capital letters
  – **ABC** — Enter all upper case letters
  – **abc** — Enter all lower case letters

• **123** — Enter numbers by pressing the corresponding keys on the phone keypad.

• **Symbols** — Using the phone keypad, enter a symbol into your message by pressing the number above the symbol in the Symbols pop-up window.

The current text entry mode (**T9 Word**, **Abc**, **ABC**, **123**, or **Symbols**) is indicated in the lower part of a text entry screen. To change the text entry mode while composing a text message:

▸ Repeatedly press and hold ✳ to toggle between **Abc**, **123**, and **T9Word** modes.

Or, do the following:

1. Press the Left soft key.

2. Use the Navigation key to highlight one of the following text entry modes:
   • **T9Word**
   • **Abc**
   • **ABC**
   • **123**
   • **Symbols**

3. Press OK.

Using T9® Mode

T9 Word recognizes commonly used words for the numeric sequence of key presses and inserts the word into your message. T9 Word is much faster than the traditional method of text entry (Abc) and requires only one key press per letter of the word that you're spelling.

1. While composing a text message, press the Left soft key. Use the Navigation key to highlight **T9Word**, then press [OK].

2. For practice, enter the word "**Samsung**" by pressing each of the following keys only once:

7 pqrs	2 abc	6 mno	7 pqrs	8 tuv	6 mno	4 ghi
S	**A**	**M**	**S**	**U**	**N**	**G**

T9 Word recognizes that the most commonly used word for the numeric sequence you just entered is "Samsung."

If more than one word shares the same numeric sequence, T9 Word provides the most commonly used word. Press [0] to display other words, if available.

Note: To enter a space, press the [#] key. To enter a period, press the [1] key. These key functions apply to both T9 Word and Abc modes. (For other symbols, see *"Entering Symbols"* on page 27..)

Using Abc Mode

1. While composing a text message, press the Left soft key. Use the Navigation key to highlight **Abc** or **ABC**, then press [OK].

2. Enter characters while in Abc mode by pressing a key repeatedly until the desired character appears in the display.

Example: Press [4] once for "**G**" and twice for "**H**".

3. Pause briefly and the displayed character is accepted and inserted into your message.

4. Press [#] to enter a space and press [1] to enter a period.

Entering Numbers

Enter numbers into a text message while in 123 mode.

1.   While composing a text message, press the Left soft key. Use the Navigation key to highlight **123**, then press `OK`.

2.   Enter numbers while in 123 mode by pressing the key labeled with the corresponding number that you wish to insert into your message.

Entering Symbols

Enter symbols such as "@" or "%" into a text message.

1.   While composing a text message, press the Left soft key, use the Navigation key to highlight **Symbols**, then press `OK`. The first of three symbol screens appears in the display.

2.   Use the **Prev** and **Next** soft keys to page through the other symbols, if desired.

3.   Press the key that corresponds with the symbol that you wish to enter.

Example: Press ⌨ for an exclamation point (!).

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4.   Repeat these steps to insert additional symbols into your message.

Section 6: Understanding Your Contacts

This section details how you can manage your daily contacts by storing their names and numbers in your Contacts list. You can have your Contacts entries sorted by name.

Contacts

Up to 500 entries can be stored in Contacts. Each entry can have up to five associated phone numbers and one e-mail address. Each phone number can be up to 32 digits in length, including **2-Sec** or **Wait** pauses (see *"Manual Pause Calling"* on page 15 for more information), and associated names can be up to 32 characters in length. You can assign the Speed Dial numbers of your choice for each entry. You can also mark your Contacts list as Restricted to prevent unauthorized viewing. (For more information, refer to *"Restriction"* on page 79)

Tip: Speed Dial **One-Touch Dialing**, **Two-Touch Dialing**, and **Three-Touch Dialing** allow you to call numbers stored in Contacts faster.

Open Contacts

1. In standby mode, press **MENU/OK** ➔ **Contacts**. The following options appear in the display:

   • **Find** — Find a Contacts entry by name.

Tip: You can also access the **Find** option from standby mode, by pressing the **Contacts** soft key or the Contacts shortcut (Up Navigation) key.

   • **Add New Entry** — Add a number or e-mail address to your Contacts.
   • **Speed Dial** — Assign a Contacts entry to a Speed Dial number. (For more information, refer to *"Speed Dial"* on page 35)
   • **Group** — Review, send messages to, add Contacts to, or rename four out of your five groups. (For more information, refer to *"Contacts Groups"* on page 36.)
   • **Memory Info** — Display used and available memory for Contacts entries.

2. Use the Navigation key to highlight the option of your choice, and press **OK**.

Note: You can also press the keypad number key that corresponds to the menu option number.

Finding a Contacts Entry

Shortcut Key Method

If you've stored a name entry in Contacts, Find allows you to find it quickly by entering the first few letters of a Contact's name.

1. In standby mode, press **Contacts**.

The **Find** screen appears in the display with the **Go To** field highlighted, followed by the first few names in your Contacts list.

Tip: You can also access the **Find** screen from standby mode by doing one of the following:

– Press the Up Navigation key.

– Press **MENU/OK** ➔ **Contacts** ➔ **Find**.

2. Enter the first few characters of a name as entered in Contacts. For example, if you saved the name as "Amy Smith", begin the search by pressing (for "A").

As you enter letters, the names of the closest matches appear in the display.

3. When the desired entry is listed in the display, use the Up/Down navigation keys to highlight the entry.

• Press ￼ to dial the number associated with the name.
• Press **Edit** to add or change information for this entry.
• Press **VIEW** (￼) to show information about the entry.
• Press **Options**. The following options appear in the display:
  – **New Contact** — Add a new entry to Contacts.
  – **Erase** — Erase the name and associated information.

  – **Send Txt Msg** — Create and send a text message to the selected Contact.
  – **Call** — Dial the number associated with the name.
  – **Send Name Card Via Bluetooth** — Send selected Contacts to another Bluetooth device.

  Use the Navigation key to highlight an option, then press ￼. The highlighted option's sub-menu appears in the display.

Quick Search Method

For information on enabling Quick Search, see *"Quick Search"* on page 81

1. In standby mode and with Quick Search enabled, press the first few numeric keys that correspond to the letters of the Contact's name.

**Example:** To search for "Sally" you would enter

725

2. Press the Up navigation key. A list of Contact names that begin with letters corresponding to the number keys you pressed appears in the display.

3. Highlight the searched for Contact.

• To call the Contact, press ￼.
• To view the Contact, press ￼.

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Adding a New Contacts Entry

You can use either of two methods to add an entirely new entry to Contacts.

Dial Method

1. Using the keypad, enter the number you wish to add to your Contacts.

2. Press **Save**. The following options appear in the display:

   • **Create New** — Lets you create a new Contacts entry.
   • **Update Existing** — Lets you add the number you entered to an existing Contacts entry.

3. Use the Navigation key to highlight **Create New** and press **OK**.

   The **Create New** screen appears in the display showing the following icons:

	Mobile		Home		Work
	Pager		Fax		

4. Use the Navigation key to highlight the number type that matches your new entry, then press **OK**.

5. Use the keypad to enter a name to associate with the Contacts entry.

6. Press **SAVE** to save the entry.

Menu Method

1. In standby mode, press **MENU/OK ➔ Contacts ➔ Add New Entry**.

   The **Add New Entry** screen appears in the display with the **Name** field highlighted.

2. Enter the name of the new entry using the keypad. (For more information, refer to *"Entering Text"* on page 25)

3. Use the Up and Down navigation keys to highlight one of the following fields:

   • **Mobile**
   • **Home**
   • **Work**
   • **Pager**
   • **E-Mail**
   • **Group**
   • **Ringtone**
   • **Fax**

4. Enter a phone number or E-Mail address in the highlighted field.

5. Repeat steps 3 and 4 as needed.

6. Press `OK` to save the new entry.

Editing a Contacts Entry

Editing Contacts Name and Numbers

1. Find the Contacts entry you wish to change. (For more information, refer to *"Finding a Contacts Entry"* on page 28.)

2. Use the Navigation key to highlight the entry and press **VIEW**. The **View Contact** screen appears in the display showing the highlighted entry's information.

3. Use the Navigation key to review the information for the entry that you wish to change, then press **EDIT**. The **Edit Contact** screen appears in the display.

4. Use the Navigation key to highlight the particular information you want to add or change.

   • Press `CLR` to backspace and delete numbers or letters.
   • Press and hold `CLR` to clear all numbers or letters in the highlighted field.

• Press **Options**. The following options pop-up in the display:
   – **Set Speed Dial** / **Remove Speed Dial** — Assign/remove a speed dial number. (For more information, refer to *"Speed Dial"* on page 35.)
   – **Set as default** — Set the number the phone will dial when Contacts dialing or speed dialing.
   – **Wait** — A hard pause (waits for input from you).
   – **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to *"Add Pauses to Contacts Numbers"* on page 31.)

   Use the Up/Down navigation keys to highlight the desired option, then press `OK`.

5. When you're finished changing the contents of a field, press `OK`. Your changes are saved and a confirmation message appears in the display.

Add Pauses to Contacts Numbers

Calls to automated systems such as banking services often require a password or account number. Instead of manually entering these numbers, you can store them in a Contacts entry with the phone number and with special characters called pauses, up to a maximum of 32 digits.

• **Wait** — Stops the calling sequence until the phone receives further input.

• **2-Sec Pause** — Stops the calling sequence for two seconds, then sends the remaining digits.

Note: You can enter multiple Waits to extend the length of a pause. For example, two consecutive Waits cause a total pause time of four seconds. Keep in mind that pauses count as digits towards the 32-digit maximum.

To add pauses to a Contacts entry number, do the following:

1. Find the Contacts entry associated with the number you want to include one or more pauses. (For more information, refer to *"Finding a Contacts Entry"* on page 28)

2. Select and edit the desired number. (For more information, refer to *"Editing a Contacts Entry"* on page 31)

3. Press **Options**. The following pause options appear in the display:

   • **Wait** — A hard pause (waits for input from you).
   • **2-Sec Pause** — A 2-second pause after which dialing resumes.

4. Use the Up/Down navigation keys to highlight the pause option of your choice.

5. Press [OK] to enter the highlighted pause into the number sequence.

6. When you're finished entering information, press [OK] to store the number to Contacts.

Pause Dial from Contacts

1. If you stored the number using 2-second pause(s), simply recall the number from Contacts.

2. If you stored the number using Wait(s), recall the number from Contacts and wait for the appropriate prompt from the dialed number.

3. Press [SEND] to dial the number.

Edit an Existing E-Mail Address

1.   Find the Contacts entry you want to edit. (For more information, refer to *"Finding a Contacts Entry"* on page 28)

2.   Use the Up/Down navigation keys to highlight the desired Contacts entry, then press **Edit**.

   The **Edit Contact** screen appears in the display.

3.   Use the Up/Down navigation keys to highlight the **E-Mail** field.

4.   Use the keypad to edit the E-Mail address. (For more information, refer to *"Entering Text"* on page 25)

5.   Press `OK` to save your changes.

Assigning a Ringtone to a Contacts Entry

When you assign a ringtone to a Contacts entry, the phone plays the ringtone that you assigned to the entry when you receive a call from that Contact instead of the ringtone currently assigned to Voice Calls.

1.   Find the Contacts entry you want to edit. (For more information, refer to *"Finding a Contacts Entry"* on page 28.)

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2.   Use the Up/Down navigation keys to highlight the desired Contact, then press **Edit**.

   The **Edit Contact** screen appears in the display.

3.   Use the Up/Down navigation keys to highlight the **Ringtone** field, then press **Set**.

   The **Contact Tone** menu appears in the display showing the following options:

   • **My Ringtones**
   • **My Sounds**

4.   Use the Up/Down navigation keys to highlight the desired option, then press `OK`.

   The **My Ringtones** or the **My Sounds** file list appears in the display.

5.   Use the Up/Down navigation keys to highlight the ringtone or sound that you wish to assign to the Contacts entry, then press `OK`.

   The **Edit Contact** screen re-appears in the display with the name of the selected file in the Ringtone field.

6.   Press `OK` to save the ringer assignment to the selected Contacts entry.

Saving a Number After a Call

Once you finish a call, you can store the caller's number to your Contacts list.

Note: If the call was incoming and Caller ID information was unavailable, then the **Save** option is also unavailable.

1. Press 🔲 to end your call. The call time, length of call, phone number, and name of the party (if available) appear in the display.

2. Press **Save**. The following options appear in the display:

- **Create New** — Lets you create a new Contacts entry.
- **Update Existing** — Lets you add the number you entered to an existing Contacts entry.

3. Follow the instructions in the upcoming sections depending on whether the number is a new entry or you wish to add it to an existing entry.

Create a New Entry

1. Use the Navigation key to highlight **Create New** and press OK. The **Create New** screen appears in the display showing the following number type options:

🔲 **Mobile**   🏠 **Home**   🏢 **Work**

🖨 **Pager**   ▦ **Fax**

2. Use the Navigation key to highlight the number type that matches your new entry, then press OK.

3. Enter a name for the new entry. (For more information, refer to *"Entering Text"* on page 25.)

4. Press OK. The new entry is saved to your Contacts list.

Add to an Existing Entry

1. Use the Up/Down navigation keys to highlight **Update Existing** and press OK. The **Update Existing** screen appears in the display showing your Contacts list with the **Go To** field and the first Contacts entry highlighted.

2. Find the Contacts entry to which you want to add the new number. (For more information, refer to *"Finding a Contacts Entry"* on page 28.)

3. Press OK. The following number type options appear in the display:

🔲 **Mobile**   🏠 **Home**   🏢 **Work**

🖨 **Pager**   ▦ **Fax**

Number types that are already assigned a number show the number instead of the number type label.

4. Use the Up/Down navigation keys to highlight the desired unassigned number type, then press [OK]. The Contacts entry information appears in the display with the new number posted in the appropriate number type field.

5. Press [OK] again to save your changes to the existing entry.

Speed Dial

A Contacts entry's Speed Dial number corresponds to the number keys you press to speed dial one of that entry's numbers.

Example: To speed dial the Contacts entry assigned to Speed Dial 5, press and hold [5], (1-touch dialing).

To speed dial the Contacts entry assigned to Speed Dial 35, press [3] then press and hold [5], (2-touch dialing).

To speed dial the Contacts entry assigned to Speed Dial 235, press [2], press [3], then press and hold [5], (3-touch dialing).

You can assign one or more Speed Dial numbers to a Contacts entry during new entry creation or by editing an existing entry.

Assignment During Entry Creation

To assign a Speed Call number to a new Contacts entry number, do the following:

1. Follow either of the New Contacts entry procedures (see *"Adding a New Contacts Entry"* on page 30) until you enter a name for the entry.

2. After entering the Contacts entry name, **do not press** [OK]. Instead, use the Up/Down Up/Down navigation keys to highlight the number field.

3. Press **Options**. The following options appear in the display:

   • **Set Speed Dial** — Assign a speed dial number.
   • **Set as default** — Set the number the phone will dial when Contacts dialing, speed dialing, or voice dialing.
   • **Wait** — A hard pause (waits for input from you).
   • **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to *"Add Pauses to Contacts Numbers"* on page 31.)

   Use the Up/Down navigation keys to highlight **Set Speed Dial**, then press [OK]. The **Speed Dial** screen appears in the display.

4. Use the Up/Down navigation keys to highlight an Unassigned Speed Dial number or enter an Unassigned Speed Dial number in the **Go To** field using the keypad.

Important!: Do not enter Speed Call numbers 1, 411, 611, or 911. These numbers are already assigned to Voicemail (001), to Information (411), to Customer Care (611), and to emergency use (911).

5. Press **SET**. You are prompted to confirm your Speed Dial number assignment.

6. Press the **Yes** to save your Speed Dial assignment and return to the **Add New Entry** screen.

Note: Press **No** to discard the assignment and return to the **Speed Dial** screen.

7. Press [OK] to save your changes.

Changing a Speed Dial Location

1. Find the Contacts entry you want to edit. (For more information, refer to *"Finding a Contacts Entry"* on page 28.)

2. Use the Up/Down navigation keys to highlight the desired entry.

3. Press **Edit**. The **Edit Contact** screen appears in the display.

4. Use the Up/Down navigation keys to highlight the number field marked by the Speed Dial icon (⚡).

5. Press **Options**. The following options appear in the display:
- **Remove speed dial** — Unassign the current speed dial number.
- **Set as default** — Set the number the phone will dial when Contacts dialing, speed dialing, or voice dialing.
- **Wait** — A hard pause (waits for input from you).
- **2-Sec Pause** — A 2-second pause after which dialing resumes. (For more information, refer to *"Add Pauses to Contacts Numbers"* on page 31.)

6. Use the Up/Down navigation keys to highlight **Remove Speed Dial**, then press [OK]. "**Remove speed dial?**" pops up in the display to confirm your desire to remove the entry.

7. Press the **Yes** to remove the Speed Dial assignment. "**Speed Dial Removed**" pops up in the display, and you are returned to the **Edit Contact** screen.

8. Do steps 4 through 7 of *"Assignment During Entry Creation"* on page 35.

Contacts Groups

Contact Groups let you easily send messages to multiple, selected Contacts. You can also use Groups to find Contact

Understanding Your Contacts   36

entries and to add/remove Contacts names in a Group or to create or rename a Group.

Add Contacts Entry to a Group

Using Add New/Edit Contact Option

To add a Contact to a Group using either the Add New Contact option or the Edit Contact option, do the following:

1. Create a Contacts entry (see *"Adding a New Contacts Entry"* on page 30) or find a Contacts entry (see *"Finding a Contacts Entry"* on page 28) that you want to add to a Group.

2. Use the Up and Down navigation keys to highlight the **Group** field, the press **Set**.

   The **Select Group** screen appears in the display showing Groups similar to the following:

   • **No Group**
   • **Business**
   • **Colleague**
   • **Family**
   • **Friends**

3. Use the Up and Down navigation keys to highlight the Group to which you want to assign the selected Contact, then press `OK`.

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You are returned to the **Add New Entry/Edit Contact** screen and the selected Group name populates the **Group** field.

4. Press `OK` to save your changes.

Using Group Add Option

The Add option lets you add one or more existing Contacts to a Group.

1. In standby mode, press **MENU/OK ➔ Contacts ➔ Group**.

   The **Group List** screen appears in the display showing Groups similar to the following:

   • **No Group**
   • **Business**
   • **Colleague**
   • **Family**
   • **Friends**

2. Use the Navigation key to highlight a Group, then press **Options**. The following options popup in the display:

   • **Send Txt Msg** — Send a text message to the selected Group.
   • **Rename** — Change the name of the selected Group.
   • **Erase** — Delete the selected Group, and send the Contacts back to No Group.
   • **Add** — Add one or more Contacts to the selected Group.

3. Use the Navigation key to highlight **Add**, then press `OK`.

The **Add Contacts** screen appears in the display showing a list of Contacts entries.

4. Do one of the following:

- Use the Navigation key to highlight an entry you want to add to the group, then press **MARK**. A check mark appears in the entry's check box.
  Repeat as needed to check all the desired Contacts.
- Press **Mark All**.

Note: To unmark a marked Contact, highlight the Contact and press **MARK** to clear the check mark.

5. When you have marked the Contacts you want to add to the group, press **Done**. "**Contact added to group**" appears in the display, followed by the selected Group list including the added Contacts.

Remove Contacts Entry from a Group

1. In standby mode, press **MENU/OK** ➔ **Contacts** ➔ **Group**.
The **Group List** screen appears in the display.

2. Use the Navigation key to highlight the Group (other than No Group) from which you want to remove a Contact, then press **VIEW**.

A list of the Contacts assigned to the selected Group appears in the display.

3. Use the Navigation key to highlight the Contact you wish to remove.

4. Press **Remove**. You are prompted to confirm the removal of the selected Contact.

5. To remove the selected Contact from this Group and return it to No Group, press **Yes**.

To keep the selected Contact in this Group, press **No**.

Rename a Group

The Rename option lets you change the name any of the Groups, except No Group.

1. In standby mode, press **MENU/OK** ➔ **Contacts** ➔ **Group**.
The **Group List** screen appears in the display.

2. Use the Navigation key to highlight the Group name other than No Group that you wish to change, then press **Options** ➔ **Rename**.

The **Rename Group** screen appears in the display.

3. Enter changes to the group name using the keypad. (For more information, refer to *"Entering Text"* on page 25.)

4. When you have completed your changes to the Group name, press **SAVE**.

"**Group Renamed**" appears in the display followed by the **Group List** screen showing your renamed Group.

Add a New Group

The New option lets you add Groups.

1. In standby mode, press **MENU/OK ➔ Contacts ➔ Group**. The **Group List** screen appears in the display.

2. Press **New**. The **New Group** screen appears in the display.

3. Enter a new group name using the keypad. (For more information, refer to *"Entering Text"* on page 25.)

4. When you have completed entering the new Group name, press **SAVE**. "**Group Saved**" appears in the display followed by the **Group List** screen showing your new Group.

Erase a Group

The **Erase** option lets you delete a Group, thus freeing you to reassign the Contacts formerly in the Group.

1. In standby mode, press **MENU/OK ➔ Contacts ➔ Group**. The **Group List** screen appears in the display.

2. Use the Up and Down navigation keys to highlight the Group that you wish to delete, then press **Options ➔ Erase**. You are prompted to confirm the Group erasure.

3. Press **Yes** to confirm erasure of the Group. Press **No** to retain the Group.

Deleting a Contacts Entry

1. Find the Contacts entry you want to delete. (For more information, refer to *"Finding a Contacts Entry"* on page 28.)

2. Use the Navigation key to highlight the desired entry.

3. Press **Options ➔ Erase**. The phone prompts you to confirm the erasure.

4. To confirm erasure of the selected Contact, press **Yes**. To retain the Contact, press **No**.

Memory Info

The Memory Info menu option lets you view the amount of memory you have used to store Contacts entries, as well as the memory remaining to store more Contacts entries.

▶ In standby mode, press **MENU/OK ➔ Contacts ➔ Memory Info**.

The **Memory Info Contacts** screen appears in the display showing the **Total** amount of memory in your phone, the amount of memory **Used** to store Contacts entries, and the remaining (**Free**) for Contacts entries.

Section 7: @Metro

With Mobile Shop, you can download full featured applications over the air including games, personalized ring tones, pictures, and more. You can send and receive instant messages and E-mail, or browse the web to catch up on all the latest news.

This section outlines how to obtain games and other applications for your phone. For more information, contact your Wireless Carrier.

Launching @Metro

1. In standby mode, do one of the following to launch @Metro:

   • Press Right navigation key (@Metro shortcut).
   • Press **@metro** soft key.
   • Press **MENU/OK** ➔ **@Metro** ➔ **@Metro**.

   The @metro menu appears in the display as shown.

Applications Shopping and Downloading (Mobile Shop)

Download games, ring tones, e-mail, and more using Mobile Shop.

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Note: For information on airtime charges, contact your Wireless Carrier.

► At the @metro menu, highlight **MobileShop** (🛒), then press [**OK**].

Your phone takes a moment to connect, then the Mobile Shop Catalog menu appears in the display.

Follow the instructions in your phone's display.

Please check with your Wireless Carrier for availability of applications.

Changing Your @Metro Settings

Use the **Settings** menu in Mobile Shop to manage, move, order applications, and much more.

1. At the @metro menu, highlight **Settings** (✓), then press [**OK**]. The following options appear in the display:

   • **Order Apps** — Download applications over the network.
   • **Move Apps** — Move previously downloaded applications between available folders.
   • **Manage Apps** — View used and available memory.
   • **Main Menu View** — Select whether to view the main Mobile Shop menu in a list or icon format.

- **View Log** — View the Mobile Shop log, which displays information about recent activity using Mobile Shop.

2. Highlight the desired option.

3. Press OK to enter the option's sub-menu and view or change settings.

Using On-line Help

The Help sub-menu within @metro is a short tutorial on several @metro-Mobile Shop features. View information about charges, cancelling subscriptions, buying apps, disabling apps, and more.

1. At the @metro menu, highlight the Help (?) icon.

2. Press OK. The Help subjects described in the following subsections appear in the display.

3. Highlight the desired Help subject.

4. Press OK to view the selected Help information.

Buying New Apps

To buy new and exciting apps, visit the MobileShop catalog. It provides you with a variety of apps you can choose from.

What do I pay?

When you buy an app, you will be charged for the purchase cost of the app and the network connections to download it.

Demo Apps

A Demo app is free and is designed to demonstrate the app's main features. It usually expires after a certain period of time or a number of uses and often has limited functions. When you run a demo app, you will be presented with a purchase option so you won't have to look for the app in the MobileShop catalog.

Removing Apps

You may remove apps that are no longer needed. When you remove an app, you cannot use the application unless you purchase it again. To remove an app, choose Settings > Manage Apps. Then, select the app you want to remove.

Disabled Apps

You can install new apps even if the memory of your phone is full by partially removing (disabling) apps you haven't used recently. When you need to use a disabled app, you can restore it at no additional purchase cost.

Restoring Apps

Disabled apps can be quickly restored at no additional purchase cost. To restore an app, run the application you want to restore from the Main Menu. You will be guided through the restoration process.

Expired Apps

Apps that were purchased based on the number of uses or time expire. You can purchase additional uses from the MobileShop catalog.

Section 8: Messaging

This section explains how to send or receive different types of messages. This section also describes the features and functionality associated with messaging.

Types of Messages

Your phone is able to send and receive Text messages to compatible phones and devices. Text messages can be up to 160 characters in length.

Note: Available memory is shared between all messages. You can store up to 100 messages. However, the exact number is dependent upon message length.

Create and Send Text Messages

1. In standby mode, press the Down navigation key, then select **Send Message**. The **Create Text Msg** screen appears in the display showing the **To:** list.

2. Enter the phone number or e-mail address of the recipient, then press the **OK** soft key. The **Text:** field appears in the display.

3. Enter the text content of your message using the keypad. (For more information, refer to *"Entering Text"* on page 25)

At any point while composing a message:

• Press the Left soft key to change the text entry mode. The following text entry options appear in the display:
 – **T9 Word**
 – **Abc**
 – **ABC**
 – **123**
 – **Symbols**
• Use the Navigation key to highlight the desired option, then press the **OK** soft key.

4. Press the **Options** to complete the message text and set message send options. The following options appear in the display:

• **Edit Send To** — Edit the recipient's number or E-mail address.
• **Add Quick Text** — Insert pre-composed text in your message.
• **Save As Draft** — Save the message to your Draft folder.
• **Priority Level** — Choose **High** or **Normal**.

- **Validity Period** — Enter the Date and Time when this message will cease to be valid.
- **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
- **Add To Contacts** — Save the recipient's number or e-mail address as a Contacts list entry.

5. Once you're finished entering your message, press **SEND**.

Receive Text Messages

When you receive a message in standby mode, the ringer sounds (unless turned off) and **New Message** appears in the display along with the closed envelope icon (![envelope]). The date and time of the message also appear in the display along with the following options:

- **View Now** — Opens the message, where you have the option to Forward, Reply With Copy, Save Quick Text, Lock, Add To Contacts, Message Info, or Extract.
- **View Later** — Saves the message to your Inbox, where you can view it later, then returns your phone to standby mode.

Highlight your choice, then press the **OK** soft key.

Receive Messages While in a Call

When you receive a message while in a call, New Message appears in the display along with the closed envelope icon (![envelope]). The date and time of the message also appear in the display along with the following options:

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- **View Now** — Opens the message, where you have the option to Forward, Reply With Copy, Save Quick Text, Lock, Add To Contacts, Message Info, or Extract.
- **View Later** — Saves the message to your Inbox, where you can view it later, and returns your phone to call mode.

Highlight the desired option, then press ![OK].

View a Text Message Now

1. After you select the **View Now** option, the new text message appears in the display.

2. While viewing your message press **Options**. The following options appear in the display:

- **Forward** — Send a copy of this message to another recipient.
- **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Save Quick Text** — Save the text in this message as a new Quick Text.
- **Lock** / **Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the sender's number to your Contacts.
- **Message Info** — Shows message delivery status, addressee, size, and so on.
- **Extract** — Calls originator of this message.

3. Highlight an option, then press the **OK** soft key to perform the function for the highlighted option.

Note: For more information on received message options, see *"Inbox"* on page 46..

View a Text Message Later

1. In standby mode, press the Down navigation key, then select **Inbox**. The Inbox appears in the display.

2. If the new text message is not highlighted, use the Up and Down navigation keys to highlight the new message.

3. Press the **OK** soft key. The new text message appears in the display.

Message Boxes

Your phone stores messages in any one of five message boxes. The subsections that follow describe each message box in detail.

Inbox

Received messages of all types (except Voicemail) are stored in the Inbox.

1. In standby mode, press the Down navigation key, then select **Inbox**. A list of incoming messages appears in the display.

Tip: While in a call, press **Options**, then select **Message** to open the **Messages** menu.

2. Use the navigation keys to highlight the message that you wish to view.

3. Press `OK` to view contents of the highlighted message.

4. While viewing your message press **Options**. The following options appear in the display:

- **Forward** — Send a copy of this message to another recipient.
- **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Save Quick Text** — Save the text in this message as a new Quick Text.
- **Lock** / **Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the sender's number to your Contacts.
- **Message Info** — Shows message delivery status, addressee, size, and so on.
- **Extract** — Calls the sender of the received message.

5. Use the Up/Down navigation keys to highlight an option. Press `OK` to perform the function for the highlighted option.

Managing Inbox Messages

1. In standby mode, press the Down navigation key, then select **Inbox**. A list of incoming messages appears in the display.

2. Highlight a message in the list.

3. Press **Erase** to remove the highlighted message from the Inbox.

4. Press **Options**. The following options appear in the display:

- **Reply** — Compose and send a reply message to the originator of the received message.
- **Reply With Copy** — Compose and send a reply message to the originator of the received message and include a copy of the original message.
- **Forward** — Send a copy of this message to another recipient.
- **Lock** / **Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the sender's number to your Contacts.
- **Erase Inbox** — Delete all unlocked messages from the Inbox.
- **Message Info** — Shows message delivery status, addressee, size, and so on.

5. Highlight an option, then press ⒪ⓚ to perform the function for the highlighted option.

Outbox

Your phone stores messages in the Outbox, regardless of whether the message was successfully transmitted. Verify if and when a message or E-Mail was successfully received by enabling the Delivery Ack feature.

Review Messages in the Outbox

1. In standby mode, press the Down navigation key, then select **Outbox**. Your list of sent messages appear in the display.

2. Highlight a message that you wish to review, then press **OPEN**.

3. While viewing your message press **Options**. The following options appear in the display:

- **Forward** — Send the highlighted message to another recipient.
- **Save Quick Text** — Save the message text as Quick Text for insertion into other messages.
- **Lock** / **Unlock** — Block/permit erasure of the highlighted message.
- **Add To Contacts** — Save the recipient's number to your Contacts.
- **Message Info** — Shows message delivery status, addressee, size, and so on.
- **Extract** — Calls recipient of this message.

4. Highlight an option, then press [OK] to perform the function for the highlighted option.

Messages and Lock Mode

Your phone can still receive messages while in Lock Mode. The time and date of the message appear in the display, but you cannot access the message until you enter the lock code.

Managing Outbox Messages

1. In standby mode, press the Down navigation key, then select **Outbox**. Your list of sent messages appear in the display.

2. Highlight a message, then press **Erase** to remove the highlighted message from the Outbox.

3. Press **Options**. The following options appear in the display:

   • **Forward** — Send the highlighted message to another recipient.
   • **Resend** — Re-send the highlighted message to the original recipient.
   • **Lock** / **Unlock** — Block/permit erasure of the highlighted message.
   • **Add To Contacts** — Save the recipient's number to your Contacts.
   • **Erase Outbox** — Delete all unlocked messages from the Outbox.
   • **Message Info** — Shows message delivery status, addressee, size, and so on.

4. Highlight an option, then press [OK] to perform the function for the highlighted option.

Draft Box

Messages in the Draft Box are those that have been composed but never sent. You can return to the Draft Box at any time to view, edit, or send a draft message.

Create a Draft Message

1. In standby mode, press the Down navigation key, then select **Send Message** . The **Create Text Msg** screen appears in the display showing the **To:** list.

2. Enter the phone Number or E-Mail address of a recipient, then press [OK].

3. Compose your message using the keypad, then press **Options**.

4. Select **Save As Draft**. A confirmation message appears in the display and your message is saved to the Drafts box.

View and Edit Draft Text Messages

1. In standby mode, press the Down navigation key, then select **Drafts**. A list of any draft messages that you've saved appears in the display.

2. Highlight a text message that you wish to view or edit, then press **EDIT**. The message text edit screen appears in the display.

3. Enter or change the recipient's number and/or e-mail address and the message text using the keypad. (For more information, refer to *"Entering Text"* on page 25)

4. Press **Options** to complete the message text and set message send options. The following options appear in the display:

 • **Edit Send To** — Change, add, or remove recipients from this message.
 • **Add Quick Text** — Insert pre-composed text into your message text.
 • **Save As Draft** — Save the message to your Drafts box.
 • **Priority Level** — Choose **High** or **Normal**.
 • **Validity Period** — Enter the Date when this message will cease to be valid, then use the Left and Right navigation keys to choose the Time.
 • **Delivery Ack** — Choose **On** or **Off** — Requests confirmation when your message is received.
 • **Add To Contacts** — Save the recipient's number or e-mail address to your Contacts.

5. Highlight the desired option, then press OK to perform the function for the highlighted option.

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6. When you have completed composing your message, press **SEND**.

Managing Draft Messages

1. In standby mode, press the Down navigation key, then select **Drafts**. A list of any draft messages that you've composed appears in the display.

2. Highlight a message.

3. To remove the highlighted message from the Drafts box, press **Erase**. You are prompted to confirm erasure of the highlighted draft message.

 • To erase this draft message, press **Yes**.
 • To keep this draft message in your Drafts box, press **No**.

4. For other options, press **Options**. The following options appear in the display:

 • **Send** — Send the highlighted message to the original recipient, if the recipient's number and/or e-mail address is included with the draft message.
 • **Lock** / **Unlock** — Block/permit erasure of the highlighted message.
 • **Add To Contacts** — Save the recipient's number and/or e-mail address to your Contacts.
 • **Save Quick Text** — Save the message text as Quick Text for insertion into other messages.

• **Erase Drafts** — Delete all unlocked draft messages.

5. Highlight an option, then press `OK` to perform the function for the highlighted option.

Voicemail

Messages in your voice mailbox are logged in the Voicemail box of the Messages menu. Open the Voicemail box to view the Callback # (if available), Urgency, and other details of the Voicemail message.

Listen to Voicemail Now

Once you've received a new voicemail message, you have the option to either:

• **Listen Now** — Calls your voice mailbox and allows you to listen to your messages.

• **Listen Later** — Returns you to standby mode where you can later choose to call your mailbox and review your messages.

Highlight the desired option, then press the **OK** soft key.

Listen to Voicemail Later

If you choose to review your voicemail messages at a later time:

1. In standby mode, press the Down navigation key, then select **Voicemail**. The **Voicemail** screen appears in the display, showing the number of new voicemail messages received and the date and time the latest message was received.

2. Press `SEND` or `OK` to call your voice mailbox and listen to the message.

Note: You can also press and hold `1` to dial your voice mailbox.

Erase Messages

Using Erase Messages, you can erase all of the messages in each of your boxes from one convenient location.

Note: This function erases all messages in a selected box. To delete a single message, open the box from the **Messages** menu, highlight a message, open the message if you want, then press **Erase** to delete it.

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1. In standby mode, press the Down navigation key, then select **Erase Messages**.

The following options appear in the display:

• **Inbox** — Deletes all unlocked messages stored in the Inbox.

• **Outbox** — Deletes all unlocked messages stored in the Outbox.

• **Drafts** — Deletes all unlocked messages stored in the Drafts box.

• **All Messages** — Deletes all unlocked messages stored in all of the message boxes, except Voicemail.

2. Highlight the box containing the messages that you wish to delete, then press **OK**. You're prompted to confirm the erasure of all messages in the selected box or in all boxes.

3. Press **Yes** to delete the messages. Press **No** to cancel deleting the messages.

Message Settings

Use the **Msg Settings** sub-menus to define general settings and text message settings.

General Message Settings

1. In standby mode, press the Down navigation key, then select **Msg Settings ➔ General**. The following options appear in the display:

- **Auto Save** — Choose whether your messages are saved automatically when you exit them (**On**, **Off**, **Prompt**).
- **Auto Erase** — When set to **On**, you phone automatically deletes the oldest receive message when the Inbox is full and you receive a new message. When set to **Off**, you are prompted to delete old messages when the Inbox is full and you receive a new message.
- **Quick Text** — Edit your pre-composed messages, which can then be inserted into new messages.
- **Voicemail #** — Edit or view your Voicemail number.
- **Entry Mode** — Choose the default method for entering text into messages (**T9 Word**, **Abc**, **ABC**, **123**).

- **Callback #** — Choose whether to include a callback phone number with your outgoing messages, and enter the number to be included.
- **Reminder** — Select whether and how often you will hear and/or feel a reminder that you have received a message (**Once**, **Every 2 Minutes**, **Every 15 Minutes**, **Off**).

2. Highlight the desired option with the Navigation key.

3. Press **OK** to enter the highlighted option's sub-menu.

Editing and Entering Quick Text

1. In standby mode, press the Down navigation key, then select **Msg Settings ➔ General ➔ Quick Text**. The **Quick Text** sub-menu appears in the display.

2. To create a new Quick Text:

- Press **New**.

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Tip: You can also create new Quick Text by viewing/editing an Outbox or Drafts message and using the **Save Quick Text** option in the **Options** menu. (For more information, refer to *"Review Messages in the Outbox"* on page 47)

- Enter/change the text content of your Quick Text using the keypad. (For more information, refer to *"Entering Text"* on page 25)
  - To change Text Input Mode, press the Left soft key.
- Once you're finished entering your Quick Text, press **OK**. The Quick Text menu appears in the display with your new Quick Text highlighted.

3. To change a Quick Text:

- Highlight a Quick Text you want to change, then press **EDIT**. (You cannot change the pre-defined Quick Text included with your phone.)

Note: You cannot change or erase pre-loaded Quick Texts.

- Enter/change the text content of your Quick Text using the keypad. (For more information, refer to *"Entering Text"* on page 25)

4. To erase a Quick Text:

- Highlight a Quick Text you want to erase, then press **Erase**. You are prompted to confirm erasure of the highlighted Quick Text.
- To erase the highlighted Quick Text, press **Yes**. To keep it, press **No**.

Text Message Settings

1. In standby mode, press the Down navigation key, then select **Msg Settings** ➔ **Text Message**. The following options appear in the display:

- **Auto View** — **On/Off** — With Auto View On, the full content of a text message appears in the display as the messages is received.
- **Signature** — Create a signature, which can be included at the bottom of outgoing message text.
- **Auto Scroll** — **On/Off** — With Auto Scroll On, the full content of a text message automatically rolls upward on the display, one screen-full at a time.

2. Highlight the desired option with the Navigation key.

3. Press the **OK** soft key to enter the highlighted option's sub-menu.

Section 9: MetroWEB

This section outlines how to launch MetroWEB, how to navigate to other pages on the web, and how the keys on the keypad are used with the web application. Additionally, links to other sites are briefly discussed.

MetroWEB

With MetroWEB, you can conveniently surf the web and download ringtones and wallpapers using your phone. Each time you launch MetroWEB, your phone connects to the Internet and the service indicator icon ( ) appears in the display.

Stored Web Content

MetroWEB ends an Internet connection after a certain period of inactivity, however some information from your session remains stored in the phone (if you leave your phone turned on). You can access this information without reconnecting to the Internet. However, if you are viewing stored information, and you select a link to a site that was not accessed in your last session, you automatically re-connect to the Internet.

Launching MetroWEB

1. In standby mode, do one of the following to launch MetroWEB:
   - Press the Left navigation key (MetroWEB shortcut key).

   - Press **MENU/OK** ➔ **MetroWEB** ➔ **Get In Web**.
   A list of categories (each representing one or more web sites) appears in the display.

2. Use the Navigation key to browse the categories.

3. Once the desired category is highlighted, press (OK) to enter the category list.

Exit MetroWEB

▶ To exit MetroWEB, press .

Using MetroWEB

When you use MetroWEB, some of the keys operate differently than during a normal phone call. MetroWEB presents on-screen items in any of the following ways:

- Text or numeric input.
- Links (embedded in content).
- Numbered options (some may not be numbered).
- Simple text.

You can act upon options or links by using the soft keys.

MetroWEB soft keys

At the bottom of the MetroWEB display is a bar that contains browser commands. The Left and Right soft keys are used to execute the browser commands that appear in their respective corners of the display.

Using Links

Links have several purposes, such as jumping to a different page, to a different site, or even initiating a phone call. Links are shown inside of brackets ([ ]). You can normally use the Left soft key (⬭) to select a link when it is highlighted.

How MetroWEB Keys Work

The following table lists MetroWEB keys and their functions.

- **Navigation key** — Use to browse lists and options.

- **Back key** — A browse, back-up key. Press once to back up one page. Press and hold to go back to home page. Press to clear the last number, letter, or symbol entered. Press and hold to completely clear the text display.

- **SHIFT key** — Press before entering text to enable uppercase characters.

- **Space Key** — Press to insert a space when entering text.

- **Number keys 1 through 9** — Use the number keys to select items in a menu if they are numbered.

- **End key** — Press to exit MetroWEB and return the phone to standby mode.

- **Left soft key** — Press to activate the command that appears above it in the display.

- **Right soft key** — Press to activate the command that appears above it in the display.

Using My Images Gallery

My Images lets you manage the images you download, and lets you select which images will appear in your phone's display when you turn it on or off, while in standby mode (wallpaper), and as image IDs for your Contacts.

1. In standby mode, press **MENU/OK ➔ MetroWEB ➔ My Images**. A multiple-page matrix of thumbnail views of saved images appears in the display.

2. Use the Navigation key to highlight an image.

   Press **VIEW** (OK) to expand the highlighted image to fill the screen.

Press **Options** ( ). The following options appear in the

display:

- **Set As** — Lets you set the highlighted image as the **Main Wallpaper** or as an **Image ID** for one of your Contacts.
- **Rename** — Change the file name for the highlighted image.
- **Lock** / **Unlock** — Block/permit erasure of the highlighted image.
- **Erase** — Erase the highlighted image.
- **Erase All** — Erase all unlocked images from My Images.
- **Photo Info** — Shows the image file's name, date and time, resolution, and size.

3. Select the desired option or press the associated number

key.

Press [CLR] to return to the previous menu, or press the

[END] key to return to standby mode.

Using My Ringtones Gallery

My Ringtones lets you assign ringtones for calls, alarms, and other alerts.

1. In standby mode, press **MENU/OK** ➔ **MetroWEB** ➔ **My Ringtones**. A list of ringtones appears in the display.

2. Use the Navigation key to highlight a ringtone.

3. Press **Set As** ( ) to assign the highlighted ringtone to be used as a **Ringtone**, **Contact ID**, or as an **Alert Tone**.

Press **PLAY** ([OK]) to hear the ringtone.

Press **Info** ( ) to show title and file type for the

highlighted ringtone.

4. Press [CLR] to return to the previous menu, or press the
[END] key to return to standby mode.

Using My Sounds Gallery

My Sounds lets you record and manage voice memo files and assign melodies as ringers or alerts.

1. In standby mode, press **MENU/OK** ➔ **MetroWEB** ➔ **My Sounds**. The following options appear in the display:

- **Record New** — Lets you record voice memos.
- A list of recorded voice memo files and melodies.

2. Select an option.

3. When you select **Record New**, the

Record New screen appears in the

display.

- To start recording a voice memo, press **REC** ([OK]).
- To pause/resume recording, press **Pause** ( ).
- To stop recording and save the voice memo, Press **SAVE** ([OK]).

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4. When you highlight a saved voice memo file, you have the following options:

- to erase the selected voice memo file, if it is unlocked, press **Erase** (⬭).
- To listen to the voice memo, press **PLAY**(⬭ OK ⬭).
- For more options, press **Options** (⬭), and the following options appear in the display:
  – **Set As** — Assign the highlighted audio file to be used as a **Ringtone**, **Contact ID**, or as the **Alert Tone**.
  – **Rename** — Change the name of the voice memo file.
  – **Lock** / **Unlock** — Block/permit erasure of the highlighted image.
  – **Erase all** — Erase all unlocked voice memos.
  – **Sound Info** — Shows the title, size, type, and date for the file.

5. When you highlight a melody file, you have the following options:

- Press **PLAY** (⬭ OK ⬭) to hear the ringtone.
- Press **Options** (⬭) to show the following options:
  – **Set As** — Assign the highlighted melody to be used as a **Ringtone**, **Contact ID**, or as the **Alert Tone**.
  – **Erase all** — Erase all unlocked melodies.
  – **Sound Info** — Shows the title, size, type, and date for the file.

6. Press ⬭CLR⬭ to return to the previous menu, or press the ⬭END⬭ key to return to standby mode.

Section 10: Tools

This section explains how you can use your phone's Personal Information Manager (PIM) functions to view today's calendar, schedule appointments, set an alarm, perform simple math calculations, and more.

Accessing Your Phone's Tools

To launch the Tools menu:

► In standby mode, press **MENU/OK** ➔ **Tools&Settings** ➔ **Tools**. The **Tools** menu appears in the display.

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 30 feet without requiring a physical connection.

Unlike infrared, you don't need to line up the devices to beam information with Bluetooth. If the devices are within a range of one another, you can exchange information between them, even if they are located in different rooms.

The Bluetooth wireless technology settings menu provides the ability to view and change the device name, show the visibility, and set the security for the device.

Turn Bluetooth On/Off

When the Bluetooth is turned on, you can use the Bluetooth features available. When the Bluetooth is turned off, you cannot send or receive information via Bluetooth. To save battery life or in situations where Bluetooth use is prohibited, such as airline traveling, you can turn off the Bluetooth wireless technology headset.

To turn Bluetooth support on:

► From the **Tools** menu, select **Bluetooth** ➔ **Bluetooth Settings** ➔ **Enable**.

"**Bluetooth set to on**" and the black Bluetooth On icon ( ) appear in the display.

To turn Bluetooth support off:

► From the **Tools** menu, select **Bluetooth** ➔ **Bluetooth Settings** ➔ **Disable**.

"**Bluetooth set to off**" appears in the display and the and the Bluetooth icon ( ) disappears.

Add New Device

To search for available Bluetooth devices:

1. From the **Tools** menu, select **Bluetooth** ➔ **Add New Device**.

   If Bluetooth is off, you are prompted to "Turn Bluetooth on?". Press the **Yes** soft key to turn Bluetooth on.

Note: Press the **No** soft key to leave Bluetooth off and return to the **Bluetooth** sub menu.

"**Place device you are connecting to in discoverable mode**" appears in the display.

2. Place the Bluetooth device in discoverable mode. (See the device user manual for more information.)

3. Press [OK]. Names of the available devices appears in the display.

4. Use the Navigation keys to highlight the device you want to pair with your phone.

5. Press the **PAIR** key ([OK]) to pair the selected device with the phone. You are prompted to enter the passkey or PIN for the selected device.

6. Enter the device passkey or PIN and press [OK]. Pop-up messages appear to inform you that pairing with the device and connecting to it are complete.

Registered List

This menu provides a list of Bluetooth wireless technology devices discovered by your handset.

1. From the **Tools** menu, select **Bluetooth** ➔ **Registered List**. A list of registered Bluetooth devices appears in the display.

Connecting to a Bluetooth Device

From the Registered List,

1. Highlight the device and press [OK].

2. If you are unable to connect with the device a pop-up appears in the display. Press the **Yes** soft key to retry.

Disconnecting from a Bluetooth Device

From the Registered List,

▶ Highlight the device and press the **Off** soft key.

Managing Your Registered List

From the Registered List,

1. Highlight a device and press the **Options** soft key. The following options appear in the display:

- **Remove Device** — Deletes the device from the Registered List.
- **Rename Device** — Lets you change or replace the device name, as needed.
- **Device Info** — Shows the type of device, status, address, the date when it was paired with your phone, and the date the device was last connected with your phone.

2. Highlight the desired option and press the OK key to access that option.

Bluetooth Settings

Enable/Disable

Selecting this option turns Bluetooth on or off. (For more information, see *"Turn Bluetooth On/Off"* on page 57.)

Discovery Mode

Allows other users to see your accessibility. Select **On** for other devices to see your device, or **Off** for no visibility.

Device Name

Shows the handset name. You may change this name. Enter the text and press the OK key.

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Supported Profiles

Lists the Bluetooth profiles your phone supports. Selecting a profile shows a description of that profile.

Device Info

Shows the Bluetooth Type, Status, and Address of your phone.

Calendar

Calendar allows you to view the current, past, or future month in calendar format. While viewing the calendar, the current date is highlighted, and days with scheduled events are surrounded by a box.

Navigating the Calendar

1. From the **Tools** menu, select **Calendar**.

The calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Use the following controls to highlight a date in the Calendar screen:

- **Left/Right navigation keys** — Move the highlighting back/ahead one day per keypress.

- **Up/Down navigation keys** — Move the highlighting back/ahead one week per keypress.
- **Up/Down volume keys** — Moves the date and screen back/ahead one month per keypress.

Add a New Event

1. From the **Tools** menu, select **Calendar**.

   The calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Navigate to a desired date. (For more information, refer to *"Navigating the Calendar"* on page 59)

3. Press **Add**. The **New Event** screen appears in the display with the **Appointment Name** option highlighted.

4. Enter the **Appointment Name** using the keypad. (For more information, refer to *"Entering Text"* on page 25)

5. Use the Up/Down navigation keys to highlight the following New Event options:

   - **Start Date** — Populated with highlighted Calendar date. To change the date, use the keypad.
   - **Start Time** — Populated with the current time (rounded to the nearest half-hour). To change the time, use the keypad.
     – Use the Left/Right navigation keys to select **AM** or **PM**.

- **End Date** — Populated with highlighted Calendar date. To change the date, use the keypad.
- **End Time** — Populated with a time one half-hour later that **Start Time**. To change the time, use the keypad.
  – Use the Left/Right navigation keys to select **AM** or **PM**.
- **Alert** — Select **Tone** / **Vibrate** / **Light Only** using the Left/Right navigation keys.
  – To select a particular Tone, use the Up/Down navigation keys to highlight the current Tone and press the Left/Right navigation key. The **Alert Tone** menu appears in the display. (For more information, refer to *"Ringer Type"* on page 72)
- **Reminder** — Select **Once** / **Every 2 Minutes** / **Every 15 Minutes** / **Off** using the Left/Right navigation keys.
- **Alert Time** — Select **15 Min. Before** / **30 Min. Before** / **1 Hour Before** / **3 Hours Before** / **5 Hours Before** / **1 Day Before** / **On Time** / **5 Min. Before** / **10 Min. Before**using the Left/Right navigation keys.

6. To store this Event in your Calendar, press **SAVE**. An alarm will notify you prior to the Event, if **Reminder** is set to a value other than **Off**.

View/Change an Event

1. From the **Tools** menu, select **Calendar**.

   A calendar appears in the display with the current date highlighted. The month and year appear at the top of the display.

2. Navigate to a desired date. (For more information, refer to *"Navigating the Calendar"* on page 59)

3. To open the highlighted date and show a list of Events, press **VIEW**.

4. Highlight an Event to view, then press **VIEW** to display the specifics of the highlighted Event.

5. To scroll the Event contents, use the Up/Down navigation keys.

6. To change the event details, press **Edit**. (For more information, refer to *"Add a New Event"* on page 60)

7. To return to the Events list, press **OK**.

8. For other options, press **Options**. The following options appear in the display:

   • **Monthly** — Repeat this event monthly.
   • **Erase** — Remove this event from the Calendar.
   • **Erase All** — Remove all events from the Calendar.

9. Highlight an option. Press **OK** to invoke the highlighted option.

Memo Pad

Create notes and store them in Memo Pad. Notes that you create in Memo Pad can't be prioritized or assigned an alert. Return to Memo Pad anytime to review and edit your notes.

Create a Memo

1. From the **Tools** menu, select **Memo Pad**. A list of any stored Memos appears in the display.

2. To add a Memo, press **Add**. A numbered **Memo** screen appears in the display.

3. Enter Memo text using the keypad. (For more information, refer to *"Entering Text"* on page 25)

4. When you're finished entering details for the Memo, press **OK**. The Memo is saved.

5. To discard this Memo and return to the **Memo Pad** screen, press **Cancel**.
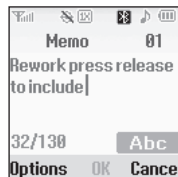
Review, Edit, and Erase Memos

1. From the **Tools** menu, select **Memo Pad**. A list of any stored Memos appears in the display.

2. To review a Memo:

   • Highlight a Memo and press **VIEW**. The numbered **Memo** view screen appears in the display.

   • Use the Up/Down navigation keys to scroll the Memo text.

3. To edit a Memo:

   • From the **Memo Pad** screen, highlight the Memo and press **Options**. The following options appear in the display:
     – **Edit** — Change the currently highlighted Memo.
     – **Erase** — Erase the highlighted Memo.
     – **Erase all** — Erase all of the unlocked memos.
     – **Lock** / **Unlock** — Prevent/allow erasure of the highlighted Memo.
     Select **Edit**. The numbered **Memo** edit screen appears in the display.

   • From the **Memo** view screen, press **Edit**. The numbered **Memo** edit screen appears in the display.

   • Use the keypad to change the Memo text. (For more information, refer to *"Entering Text"* on page 25)

   • When you're finished changing the Memo, press **OK**. The changed Memo is saved.

4. To erase a Memo:

   • From the **Memo Pad** screen, highlight the Memo and press **Options**. The following options appear in the display:

     – **Edit** — Change the currently highlighted memo.
     – **Erase** — Erase the highlighted memo.
     – **Erase all** — Erase all of the unlocked memos.
     – **Lock** / **Unlock** — Prevent/allow erasure of the highlighted memo.
     Select **Erase**. You are prompted to confirm the erasure.

   • From the **Memo** view screen, press **Options**. The following options appear in the display:
     – **Erase** — Erase the Memo you are viewing.
     – **Add New Memo** — Add a new Memo to Memo Pad.
     – **Lock** / **Unlock** — Prevent/allow erasure of the Memo you are viewing.
     Select **Erase**. You are prompted to confirm the erasure.

   • To erase the Memo, press **Yes**. To keep the Memo, press **No**.

Alarm Clock

Your phone has three alarm clocks that you can set to go off once, or to recur daily at a specific time. Once set, an alarm clock is easy to change or turn off completely.

Note: The Alarm Clock doesn't function when the phone is turned off. If the time for an alarm that was set for Once has elapsed while the phone is off, the alarm occurs at the specified time on the next day.

Set an Alarm

1. From the **Tools** menu, select **Alarm Clock**. The following options appear in the display:
   - **Alarm 1**
   - **Alarm 2**
   - **Alarm 3**

2. Highlight the alarm clock that you wish to set, then press [OK]. The selected **Set Alarm** screen appears in the display with the **Alarm** option highlighted and with the current time showing above it.

3. Use the Up/Down navigation keys to highlight the following Set Alarm options:
   - **Alarm** — Use the Left/Right navigation keys to select **On** or **Off**.
   - **Time** — Populated with the current time. To change the time, use the keypad.
     – Use the Left/Right navigation keys to select **AM** or **PM**.
   - **Frequency** — Use the Left/Right navigation keys to select **Daily** / **Mon.–Fri.** / **Weekends** / **Once**.
   - **Ringer** — Select **Tone** / **Vibrate** / **Light Only** using the Left/Right navigation keys.
     – To select a particular Tone, use the Up/Down navigation keys to highlight the current Tone and press the Left/Right navigation key. The **Alert**

   Tone menu appears in the display. (For more information, refer to *"Ringer Type"* on page 72)

4. When you're finished entering the time and frequency for the alarm, press **SAVE**. If the Alarm is set to **On**, the alarm icon (🔔) appears in the top of the display.

When an Alarm Sounds

An animated alarm clock appears in the display and an alert sounds when the specified time for the alarm arrives.

- To silence the alarm, press [OK].
- If the alarm was set as a **Daily** alarm, the alarm icon remains in the top of the display.
- If the alarm was set as a **Once** only alarm, the alarm icon disappears from the top of the display.

Turn Off an Alarm

1. From the **Tools** menu, select **Alarm Clock**. The following options appear in the display:
   - **Alarm 1**
   - **Alarm 2**
   - **Alarm 3**

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2. Highlight the Alarm you wish to turn off, then press **Options**. The following options appear in the display:

- **Off** — Disables the highlighted Alarm and retains the current settings.
- **Reset Alarm** — Disables the highlighted Alarm and resets the Alarm settings to default values.
- **Reset All** — Disables all Alarms and resets all Alarm settings to default values.

3. Highlight the desired option and press `OK`. The selected Alarm(s) is(are) turned off.

World Time

World Time lets you view the time of day or night in any of the 24 different time zones around the world.

Note: To use **World Time**, you need to subscribe to your Wireless Provider's digital service.

1. From the **Tools** menu, select **World Time**. A world map appears in the display.

2. Use the Left/Right navigation keys to browse cities and their current times.

The following cities are supported.

EST/EDT : New York	EST/EDT : Montreal	EST/EDT : Boston
Caracas	Brasilia	Mid Atlantic
Cape Verde	London	Paris
Rome	Berlin	Athens
Helsinki	Jerusalem	Moscow
Baku	Abu Dhabi	Tashkent
New Delhi	Alma-ata	Bangkok
Jakarta	Hong Kong	Beijing
Seoul	Tokyo	Guam
Sydney	Okhotsk	Wellington
Samoa	Midway	HAST/HADT : Honolulu
AKST/AKDT : Alaska	PST/PDT : Seattle	PST/PDT : San Francisco
PST/PDT : Los Angeles	MST/MDT : Denver	MST/MDT : Arizona
CST/CDT : Dallas	CST/CDT : Chicago	CST/CDT : Houston
CST/CDT : Mexico City	EST/EDT : Detroit	EST/EDT : Washington D.C

3. Do one of the following:

- Press `OK` to set the selected city/time zone as the default time zone for your phone.

• Press <img> to return to the **Tools** menu.

Enable Daylight Savings Time (DST)

1. While viewing the World Time map, press the **Options** soft key. **DST Off / DST On** pops-up in the display.

2. Press <img> to accept the highlighted setting. If the DST icon (<img>) appears in the display, it indicates that Daylight Savings Time is enabled.

Calculator

You can perform calculations, including addition, subtraction, multiplication and division using your phone.

1. From the **Tools** menu, select **Calculator**. The Calculator screen appears in the display.
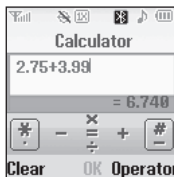
2. Enter the first number in your equation using the keypad.

   (Numbers can be up to 9 digits long, and can include a decimal point followed by up to 3 more digits.)

   • Press <img> to enter a decimal point.
   • Press <img> to change the sign for a number to a negative.

3. Press **Operator** to add parentheses [( )] to your equation or to enter a Power exponent (^), such as, 3^2, which is the equivalent of 3^2.

4. Press the **Clear** soft key to clear current entries.

5. Use the Navigation keys (as shown in the **Calculator** screen) to set the type of calculation that you wish to perform. Your choices are as follows.

   • [**+**] Addition
   • [**x**] Multiplication
   • [**-**] Subtraction
   • [**÷**] Division

6. Use the keypad to enter the second number into your equation.

7. Press <img> to perform the calculation and view the result.

Stop Watch

You can use this function to set a stop watch.

1. From the **Tools** menu, select **Stop Watch**. The **Stop Watch** screen appears in the display.

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2. Press `OK` to start, stop, and resume the Stop Watch count.

3. Press **Record** at the start of each succeeding event/lap to record the completion time for the previous event/lap. You can record up to eight event/lap times.

4. Press **Reset** to reset the Stop Watch and to erase all Stop Watch (lap) times recorded.

Converter

The conversion menu provides the following conversion categories:

• Currency
• Length
• Weight
• Volume
• Area
• Temperature

Using Converters

To convert a currency, length, weight, volume, area, or temperature, do the following:

1. From the **Tools** menu, select **Converter**. The following list of converters appears in the display:
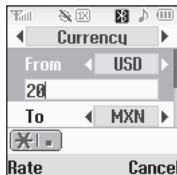
• **Currency**
• **Length**
• **Weight**
• **Volume**
• **Area**
• **Temperature**

2. Highlight the conversion feature you wish to use, then press `OK`.

3. Highlight and select the units to be converted **From** and **To**.

4. Enter the quantity you want converted in the **From** field. The converted quantity appears in the **To** field.

Note: To include a decimal point, press the `*` key.

Currency — Reviewing/Editing Exchange Rates

The Currency Converter includes long-term average exchange rates as default values. To review and/or change a default exchange rate to the current exchange rate, do the following:

1. From the **Tools** menu, select **Converter ➜ Currency**.

2. Press the **Rate** soft key. The **EXCHANGE RATE** list appears in the display.

3. Press **EDIT**. The **EDIT EXCHANGE RATE** list appears in the display.

4. Highlight a currency whose exchange rate you wish to change.

5. Use the keypad keys to change the selected exchange rate value.

6. Press `OK` to save the changed exchange rate. The **EXCHANGE RATE** list appears in the display.

7. To change any other exchange rates, repeat Steps 3 – 6.

8. Press `CLR` to return to the **Converter** screen.

Currency — Adding Exchange Rates

You can use the Currency Converter to convert from and to obscure currencies by adding exchange rates for these currencies. To add a currency and its exchange rate to the Currency Converter, do the following:

1. From the **Tools** menu, select **Converter → Currency**.

2. Press the **Rate** soft key. The **Exchange Rate** list for the **From** currency appears in the display.

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3. Press the **Add** soft key. The **Add Exchange Rate** screen appears in the display with the **Base** field highlighted.

4. Use the Left/Right navigation key to select the **Base** currency to be converted from.

5. Press the Down navigation key to highlight the **Currency** field.

6. Enter an identifier of up to 5 characters for the new currency using the keypad. (For more information, refer to *"Entering Text"* on page 25)

7. Highlight the **Exchange Rate** field.

8. Enter a decimal exchange rate for the new currency using the keypad.

Note: Press the `*` key to enter the decimal point.

The **Exchange Rate** field only accepts up to five digits after the decimal point.

---

9. To add the new exchange rate to the list, press **SAVE**.

Currency — Erasing Exchange Rates

You cannot erase the preloaded currencies from the Exchange Rate list. You can erase a currency that you have added to the list by doing the following:

1. From the **Tools** menu, select **Converter ➔ Currency**.

2. Press **Rate**. The **EXCHANGE RATE** list for the **From** currency appears in the display.

3. Highlight the user-added currency exchange rate to be erased.

4. Press **Erase**. You are prompted to confirm the erasure.

Note: The **Erase** soft key is undefined for preloaded Exchange Rates. This prevents you from erasing them.

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5. To erase the selected exchange rate, press **Yes**. To keep the selected exchange rate, press **No**.

Tip Calculator

Tip Calculator automatically calculates the following amounts:
• Gratuity (tip)
• Individual payment (for groups)

Calculations are based on the total amount of the check, a selected gratuity percentage, and the number of people paying.

1. From the **Tools** menu, select **Tip Calculator**. The **Tip Calculator** screen appears in the display with the **Bill** field highlighted.

2. Enter the total amount of the bill using the keypad.

Note: To include a decimal point, press the 🔣 key.

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3. If needed, press the Down navigation key to highlight the **Tip** field.

4. Enter a tip percentage using the keypad.

5. If needed, press the Down navigation key to highlight the **# Paying** field.

6. Enter the number of persons paying using the keypad.

7. Press 🆗. The amount of the **Tip**, the bill **Total**, and the amount **Each** person should pay appear the display.

Section 11: Settings

This section explains how to configure your phone's language, network preferences, security options, and other settings.

Accessing Your Phone's Settings

To launch the Settings menu:

1. In standby mode, press **MENU/OK** ➔ **Tools&Settings** ➔ **Settings**.

   The **Settings** menu appears in the display.

Location Setting

You can set your phone to pass Global Positioning System (GPS) data to identify your location to the network continually or only when you make an emergency (911) call.

Note: Check with your Wireless Carrier to determine if/when/where location-based services are available.

1. From the **Settings** menu, select **Location**. The following Location options appear in the display:

   • **Location On** — Your location data is continually sent wherever the feature is available.

   • **911 Only** — Your location data is sent only when you dial 911.

2. Select the desired setting. The **Settings** menu appears in your display.

3. Press ⌨ to return to standby mode.

Display Settings

Display settings let you change your phone's menu appearance, display brightness and contrast, and display content to better meet your needs.

1. From the **Settings** menu, select **Display Settings**. The following menus appear in the display:

   • **Menu Style** — Lets you select whether the Main Menu appears as an array of Icons or as a List of menu labels.

   • **Wallpaper** — Choose the images that appear as background in the Main display on your phone while in standby mode.

   • **Clock Format** — Choose whether the time and date appear in the Main and Front displays on your phone in optional digital or analog (clock face) style or in the default digital style.

   • **Dialing Font Size** — Lets you select the size of the font used to display digits you dial.

   • **Banner** — Lets you change or replace the text greeting that appears in the display when your phone is in standby mode. Also lets you enable/disable an ERI (Extended Roaming Indicator) banner.

- **Backlight** — Set backlight options for the Main Display, Keypad, and backlight Brightness.
- **Contrast** — Set the contrast for the Main Display.

2. Select the desired sub-menu. The following sub-sections describe the Display sub-menus in greater detail.

Menu Style

1. From the **Display Settings** menu, select **Menu Style**. The following options appear:

- **Icon** — Shows all main menus as an array of icons.
- **List** — Shows main menus in scrollable list (text) format.

2. Use the navigation keys to highlight the desired Menu Style, then press OK.

Wallpaper

Wallpaper lets you choose images that appear in the background on your phone's Main and Front displays while in standby mode.

1. From the **Display Settings** menu, select **Wallpaper**. The following options appear:

- **My Images** — Lets you select an image that you've downloaded.
- **Preset Images** — Lets you select an image that came preloaded with your phone.

2. Select the image type that you wish to use. A list of images appears in the display.

3. Highlight the image that you wish to use.

4. Press **View** ( ) to see an enlarged image. Press OK to save your selection.

Clock Format

Lets you choose whether the time and date appear in the Main and Front displays on your phone in optional digital or analog (clock face) style or in the default digital style.

1. From the **Settings** menu, select **Display Settings ➔ Clock Format**. The following clock format options appear in the display:

- **Digital** — Time, date, and day of the week are shown using an alternate, large digital format.
- **Analog** — Time is shown using an analog clock face image.
- **Off** — Time, date, and day of the week are shown using the default, small digital format.

2. Select the clock format that you wish to use.

Dialing Font Size

Lets you select the size the numbers you dial will appear in the display.

1. From the **Display Settings** menu, select **Dialing Font Size**.

The following options appear in the display:

- **Normal**
- **Large**

2. Select the desired setting.

Banner

Create your own personalized greeting that appears in the display while your phone is in standby mode.

1. From the **Display Settings** menu, select **Banner**. The following sub-menus appear in the display:

   - **Personal**
   - **ERI Banner**

2. Highlight the desired banner, then press the key.

   If you select **Personal**, the **Banner** screen appears in the display with the **Enter Text** field highlighted.

   - Enter a word or short phrase to appear in your phone's display while in standby mode (up to 12 characters). (For more information, refer to *"Entering Text"* on page 25.)
   - Press and hold ◄━ to erase an existing banner, if necessary.
   - Press 〔OK〕 to save your changes.

3. If you select **ERI Banner**, the following options appear in the display:

   - **On**

- **Off**

Select the desired option.

Backlight

You can set the backlight for your display or keypad to remain on for a specified period of time or remain on as long as the folder is open.

Note: Prolonged backlight use drains your battery faster.

1. From the **Settings** menu, select **Display Settings ➔ Backlight**. The following sub-menus appear in the display:

   - **Main Display** — Sets the time the internal display backlight remains on after a period of inactivity. Optional settings are: **10 seconds**, **15 seconds**, **30 seconds**, **Always On**, and **Always Off**.
   - **Keypad** — Sets the amount of time the keypad backlight remains on after a period of inactivity. Optional settings are: **10 seconds**, **15 seconds, 30 seconds**, **Always On**, and **Always Off**.
   - **Brightness** — Use the Left and Right navigation keys to select between any of 5 optional settings.
   - **Charging** — Controls whether the backlight stays on while the battery is charging. Use the Up and Down navigation keys to choose between **On** and **Off** settings.

2. Highlight the desired sub-menu and press 〔OK〕.

3. Use the Navigation key to change settings as desired in the selected sub-menu, and press `OK` to save your selection.

Contrast

Contrast lets you adjust the image contrast in the Front Display to any of 101 settings between **-50**, **0**, and **+50**.

1. From the **Settings** menu, select **Display Settings ➔ Contrast**.

2. Use the Navigation key to select the desired contrast level.

3. Press **OK** to save your new contrast setting.

Sound Settings

Sound Settings let you customize your phone's audio properties, such as ringers, keypad tones, alerts, start up melody, and more.

1. From the **Settings** menu, select **Sound Settings**. The following menus appear in the display:

Volume

Use the Volume sub-menu to set the default volume for call ringers, message alerts, and alarms.

1. From the **Sound Settings** menu, select **Volume**.

The following options appear in the display:

- **Voice Calls** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to incoming calls.
- **Messages** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to incoming messages.
- **Alarms** — Lets you set your phone to be silent, play a sound, and/or vibrate in response to a preset alarm time being reached.

2. Select the desired option.

3. Use the Navigation key or the Volume key (on the left side of your phone) to select the volume level (**Ringer Off**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, or **High**) or vibrate mode (**Vibrate**, **Vibrate/High**) for the selected option.

4. Press **SET** to save the option setting.

Ringer Type

You can assign ring tones and melodies for calls, alarms, and other alerts in the Ringer Type sub-menu.

1. From the **Sound Settings** menu, select **Ringer Type**. The following ringer types appear in the display:

- **Voice Calls**
- **Messages**
  – **Text Message**
  – **Voicemail**

• **Roam Ringer**

2. Select a ringer type. The following ringer options appear in the display:

   • **My Ringtones** — For more information, refer to *"Using My Ringtones Gallery"* on page 55.
   • **My Sounds** — For more information, refer to *"Using My Sounds Gallery"* on page 55.

3. Select the desired ringer gallery.

4. Scroll through the list of ringtones and melodies.

   • To play a ringtone or melody, press **Play**.

5. When the desired Ringtone or melody plays, press ⬛OK⬛ to save your selection.

Alerts

You can set your phone to sound an alert whenever you enter or leave your service area, connect or disconnect a call, and other options.

1. From the **Sound Settings** menu, select **Alerts**. The following alerts appear in the display:

   • **Minute Beep** — Sound an alert ten seconds before each elapsed minute of a call.
   • **Roaming** — Sound an alert when you leave your home service area.

• **Call Connect** — Sound an alert when you connect/disconnect a call.
• **Power On/Off** — Play power on and power off melodies.

2. Select the desired alert. The following options appear in the display:

   • **On**
   • **Off**

3. Highlight active (**On**) or inactive (**Off**) for the selected alert, then press ⬛OK⬛ to confirm your selection.

Key Tone

You can set the Tone Level (volume) for tones that play when you press keys on your phone and the Tone Length for DTMF tones generated when you press keypad keys.

1. From the **Sound Settings** menu, select **Key Tone**. The following options appear in the display:

   • **Tone Level** — Lets you set the volume at which tones play when you press a key on your phone (**Off**, **Low**, **Low/Medium**, **Medium**, **Medium/High**, or **High**).
   • **Tone Length** — Lets you select time length (**Short** or **Long**) for the DTMF pulses your phone generates when you press keypad keys.

2. Select the desired sub-menu and setting.

Call Settings

The Call Settings menu lets you set call options such as Auto Retry, Data rates for data calls, and more.

1. From the **Settings** menu, select **Call Settings**. The following menus appear in the display:

Call Answer

You can select a specific answer mode when you receive an incoming call. Your phone can be preset to answer when you do any of the following:

1. From the **Call Settings** menu, select **Call Answer**. The following Call Answer options appear in the display:

    - **Any Key** — Pressing any key except the Volume key or key answers a call.
    - **Send Only** — Only pressing answers a call.

2. Select the preferred option.

Auto Answer

Auto Answer enables your phone to automatically answer calls after a period of time that you specify.

1. From the **Call Settings** menu, select **Auto Answer**. The following options appear in the display:

    - **Off**

    - **After 1 Second**
    - **After 3 Seconds**
    - **After 5 Seconds**

2. Select the desired setting.

Auto Retry

Auto Retry automatically re-dials a number if there is no answer or the dialed party is busy. Depending upon your location, the number of times your phone re-dials a number may vary.

1. From the **Call Settings** menu, select **Auto Retry**. The following options appear in the display:

    - **Off**
    - **Every 10 Seconds**
    - **Every 30 Seconds**
    - **Every 60 Seconds**

2. Select the desired setting.

TTY Mode

Your phone is fully Teletypewriter (TTY)/Telecommunication Device for the Deaf (TDD) compatible. You connect TTY/TDD equipment to the headset connector on the right side your phone.

TTY Mode must be enabled (TTY Full selected) before you can use your phone with TTY/TDD equipment.

1. From the **Call Settings** menu, select **TTY Mode**.

A message pops-up warning of possible headset and non-TTY accessory performance impairment when in TTY mode and prompting you to confirm that you want to enable/disable TTY Mode.

- Press **Yes** to change the TTY Mode setting.
- Press **No** to keep the current TTY Mode setting.

If you press **Yes**, the following options appear in the display:

- **TTY Full** — Enables TTY mode while letting you hear and speak with the other party.
- **TTY + Talk** — Enables TTY mode while letting you speak with the other party.
- **TTY + Hear** — Enables TTY mode while letting you hear the other party.
- **TTY Off** — Disables TTY mode.

Note: The **TTY Mode** option has no effect on the phone's earpiece, microphone, or speaker. When you select **TTY Full**, all currently enabled sound functions remain enabled.

   2. Select the desired option. You're returned to the previous menu and the TTY icon ( ) appears in the top of the display.

Voice Privacy

Voice Privacy lets you choose what level of voice security (Standard or Enhanced) your phone will use.

Tip: You can change your Voice Privacy setting during a call by using the **In-Use Menu** options. (For more information, refer to *"In-Use Menu"* on page 17)

   1. From the **Call Settings** menu, select **Voice Privacy**. The following options appear in the display:

   - **Standard**
   - **Enhanced**

   2. Select the desired Voice Privacy option.

Data Settings

Data Settings let you choose how your phone is to handle data calls.

   1. From the **Call Settings** menu, select **Data Settings**. The following options appear in the display:

   - **Data Off** — Disables your phone's data call function.
   - **Data For Next Call** — Enables your phone's data call function for the next call only.
   - **Data Until Powered Off** — Enables your phone's data call function until you power the phone off and on again.

   2. Select the desired Data Settings option.

Phone Settings

1. From the **Settings** menu, select **Phone Settings**. The following sub-menus appear in the display:

Airplane Mode

When set to On, Airplane Mode disables all radio functions of your phone. This prevents you from making or receiving calls, but allows you to use other features (such as the camera and the Tools) safely in sensitive environments, such as on board an aircraft.

1. From the **Phone Settings** menu, select **Airplane Mode**. The following options appear in the display:

    • **On** — Disables the radio transmitter and receiver and the Bluetooth interface in your phone.

Tip: If you need to make an emergency call with Airplane mode enabled, just dial the emergency number and press ⬜.

    • **Off** — Enables the radio transmitter and receiver in your phone.

2. Select the desired option. You are prompted to confirm your setting change.

    • Press **Yes** to change to the new setting.
    • Press **No** to discard the change and keep the original setting.

Note: If you press **Yes**, you are returned to standby mode, and the Airplane Mode icon (⬛) appears in the display. If you press **No**, the **Airplane Mode** screen remains in the display.

Language

The Language option changes the language of menus, sub-menus, and other user-interface features.

1. From the **Phone Settings** menu, select **Language**. The following options appear in the display:

    • **English**
    • **Español**

2. Select your language preference.

Security

Use the Security sub-menu to lock your phone, set up emergency numbers, enable or disable voice privacy, set restrictions, and other security options.

To access the **Security** sub-menu, do the following:

1. From the **Phone Settings** menu, select **Security**.

    The "**Enter Code**" prompt appears in the display.

2. Enter the four-digit lock code using the keypad.

Note: The default lock code is the last four digits of your mobile phone number.

The "**Enter Code**" prompt disappears and the **Security** menu appears in the display.

Lock Phone

Locking the phone blocks all outgoing calls except those to 911 and to the three user-programmed emergency numbers. You can lock the phone manually, or set the phone to lock automatically when turned on. In Lock mode, you can answer calls, but you must unlock the phone to place calls (except to emergency and secret numbers).

Important!: If you do the following, you won't be able to access your phone and you will be required to call the Service Center to unlock your phone.

– Set **Lock Phone** to **On Power Up**

– Change the **NAM Selection** setting without a number programed into **NAM2**.

1. From the **Security** menu, select **Lock Phone**. The following options appear in the display:

   • **Lock** — The phone locks immediately and stays locked until you enter the lock code.

   • **Unlock** — The phone remains unlocked.

   • **On Power Up** — The phone locks automatically the next time your phone is powered on and stays locked until you enter the lock code.

2. Select the Lock Phone option of your choice to perform the function for the highlighted option.

Change Lock

The default lock code is generally the last four digits of your phone number. It is advisable to change the default lock code to a secret code for security purposes.

1. From the **Security** menu, select **Change Lock**.

   The "**New Lock Code**" prompt appears in the display.

2. Enter the New Lock Code. You're prompted to re-enter the New Lock Code for verification.

3. Enter the New Lock Code again. Your changes are stored.

Tip: Your phone does not allow you to view the lock code for obvious security reasons. If you change the lock code, be sure to write down or memorize the new code.

Emergency #

You have the option of storing up to three emergency numbers to your phone. Each number can be up to 32 digits in length. All emergency numbers can be dialed any time, even when your phone is locked or restricted.

Note: Emergency number 911 is hard-coded into your phone. You can dial this number any time, even when the phone is locked, restricted, or in Airplane Mode. If you call 911, an audible tone plays and an Emergency prompt appears in the display for the duration of the call.

Important!: Because of various transmission methods, network parameters, and user settings used to complete a call from your wireless phone, a connection cannot always be guaranteed. Therefore, emergency calling may not be available on all wireless networks at all times.

Important!: DO NOT depend on this phone as a primary method of calling 911 or for essential or emergency calls.

Remember to always turn your phone on and check for adequate signal strength before placing a call.

Note: When you dial an emergency number, you phone locks itself to the emergency location that answered the call and locks itself in 911-Only mode, blocking from dialing any number but an emergency number.

Store Emergency Numbers

1. From the **Security** menu, select **Emergency #**.

2. Select one of the three emergency numbers.

3. Enter the emergency number (up to 32 digits in length).

4. Press `OK` to save the number that you entered.

   Press **Cancel** to discard your entry and return to the **Emergency #** menu.

Call Emergency Numbers in Lock Mode

1. In standby mode, enter the emergency number using the keypad.

2. Press `📞` to place the call.

Reset Phone

Reset Phone returns all setup parameters (except for the Contacts entries) to their factory default values.

Caution!: Before selecting **Reset Phone**, contact your Wireless Carrier. Invoking **Reset Phone** may erase settings made by your Wireless Carrier from your phone, resulting in loss of service.

‣ From the **Security** menu, select **Reset Phone**.

A prompt appears in the display to restore default settings (except for Contacts).

- Press **Yes** to reset your phone to factory default settings.
- Press **No** to keep the current settings.

Erase All Entries

Erase All Entries deletes all entries from the Contacts list.

▶ From the **Security** menu, select **Erase All Entry**.

A prompt appears in the display to restore default Contacts entries and erase all others.

- Press **Yes** to reset (delete) your Contacts list.
- Press **No** to keep the current Contacts entries.

Restriction

Restriction lets you restrict the use of your phone for outgoing calls, incoming calls, and calls placed by/to your Contacts.

1. From the **Security** menu, select **Restriction**. The following options appear in the display:

   - **Outgoing** — Restrict/allow outgoing calls.
   - **Incoming** — Restrict/allow incoming calls.
   - **Contacts** — Restrict/allow all access to Contacts.

2. Select the desired Restriction. The following options appear in the display:

   - **On** — Restrict (block) selected calls.

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- **Off** — No restriction on selected calls.

Note: Default setting for all Restrictions is **Off**.

3. Select the desired setting.

NAM Selection

NAM Selection allows you to set your preferred system. Contact your Wireless Carrier for more information.

Important!: If you do the following, you won't be able to access your phone and you will be required to call the Service Center to unlock your phone.

– Set **Lock Phone** to **On Power Up**

– Change the **NAM Selection** setting without a number programed into **NAM2**.

1. From the **Phone Settings** menu, select **NAM Selection**.

   The following NAM options appear in the display:

   - **NAM 1** — Your service contract has one phone line.
   - **NAM 2** — Your service contract has two phone lines.

2. Highlight the desired NAM setting, then press **OK**.

Note: The phone automatically restarts.

System Select

The System Select feature enables you to automatically or manually select the network used when roaming outside of your home area.

1. From the **Phone Settings** menu, select **System Select**. The following roaming options appear in the display:

   - **MetroPCS only** — Roaming is off. If your home system is not available then your calls will not be connected, and the No Service icon ( ) appears in the display. In some service areas, an operator may come on-line and ask you how you would prefer to pay for a call.
   - **Automatic** — Roaming is on. This option will always try to connect your calls using a digital service in the Preferred Roaming List (PRL) loaded into your phone. If a preferred service is not found, then this option will attempt to acquire any digital service.

2. Select the desired roaming option. The **Phone Settings** menu appears in the display.

Set Time

Use Set Time to set the current time and date.

> **Note:** In digital service mode, the **Set Time** feature is disabled. The network adjusts time and date on your phone automatically.

1. From the **Phone Settings** menu, select **Set Time**. The following options appear in the display:

   - **Set Date**
   - **Set Time**

2. Select the desired Set Time option. The associated screen (**Set Time** / **Set Date**) appears in the display.

Set Date

1. In the **Set Date** screen, enter the current date using your keypad.

> **Note:** The month and day values must be entered using two digits each (such as, 10 or 30). The year value must be entered using all four digits (such as, 2007).

2. Press OK to save the new date.

Set Time

1. In the **Set Time** screen, enter the current time using your keypad.

> **Note:** The hour and minute values must be entered using two digits each (such as, 05 or 11). You must enter the hour value in 12-hour format (that is, values 01 – 12).

2. To select **am** or **pm**, use the Left and Right navigation keys.

3. Press OK to save the new time.

Quick Search

Quick Search is an easy way to locate contacts in your Contacts list and individual Menu options.

1. From the **Phone Settings** menu, select **Quick Search**. The following options appear in the display:

   • **On**
   • **Off**

2. Highlight the desired option, then press **OK**.

Searching for a Contact

1. In standby mode, press the first few numeric keys that correspond to the letters of the Contact's name.

Example: To search for "Sally" you would enter

725

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2. Press the Up navigation key. A list of Contact names appears in the display.

3. Highlight the searched for Contact.

   • To call the Contact, press ![call key].
   • To view the Contact, press **OK**.

Searching for a Menu Item

1. In standby mode, press the first few numeric keys that correspond to the letters of the Menu option label.

Example: To search for "Inbox" you would enter

462

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2. Press the Down navigation key. A list of matching menu options appears in the display.

3. Highlight the desired menu option, then press **OK** to access the content for the searched for menu option.

Memory Info

Memory Info shows the amount of phone memory that is available and used, and details the distribution of the used memory.

1. From the **Settings** menu, select **Memory Info**. The following memory usage items appear in the display:

   • **Total Used** — Shows Total phone memory Used to store Images, Ringtones, Sounds, and Applications.
   • **Available** — Shows total phone memory Available to store Images, Ringtones, Sounds, and Applications.
   • **My Photos** — Shows total phone memory used to store Images in the My Images folder.

- **My Ringtones** — Shows total phone memory used to store ringtones in the My Ringtones folder.
- **My Sounds** — Shows total phone memory used to store recorded sounds in the My Sounds folder.
- **Applications** — Shows total phone memory used to store downloaded Applications.

2. Press `OK` to return to the **Settings** menu.

Phone Info

Phone Info lets you identify the hardware and software versions of your phone and to identify the phone number assigned to your phone.

1. From the **Settings** menu, select **Phone Info**. The following sub-menus appear in the display:

Phone Number

The Phone Number option lets you review the ten-digit number assigned to your phone by your Wireless Carrier and other information useful when contacting Customer Service.

1. From the **Phone Info** menu, select **Phone Number**. The Phone number screen appears in the display listing the following information:

- Phone Number assigned by your Wireless Carrier.
- Support System.

2. Press `OK` to return to the **Phone Info** menu.

Icon Glossary

This option causes the **Icon Glossary** list to appear showing the icons that can appear in the display and the names of the icons.

1. From the **Phone Info** menu, select **Icon Glossary**. A list of the icons that can appear on the top line of the display appears in the display.

2. Press `OK` to return to the **Phone Info** menu.

Version

You can view software and hardware version information for your phone. This information is helpful if you need to contact Customer Service.

1. From the **Phone Info** menu, select **Version**. The following information appears in the display:

- **S/W** (Software) version
- **PRL** (Preferred Roaming List) identifier
- **ERI** (Extended Roaming Indicator)
- **Browser** version
- **@metro** version
- **H/W** (Hardware) version

2. Press `OK` to return to the **Phone Info** menu.

Section 12: Health and Safety Information

This section outlines the safety precautions associated with using your phone. These safety precautions should be followed to safely use your phone.

Health and Safety Information

Exposure to Radio Frequency (RF) Signals

Certification Information (SAR)

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for radio frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. government.

These FCC exposure limits are derived from the recommendations of two expert organizations, the National Counsel on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE).

In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC exposure limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the exposure limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC.

For body worn operation, this phone has been tested and meets FCC RF exposure guidelines when used with an accessory that

contains no metal and that positions the handset a minimum of 1.5 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported to the FCC are:

• **Head:** 1.46 W/kg

• **Body-worn:** 1.42 W/kg

SAR information on this and other model phones can be viewed online at http://www.fcc.gov/oet/ea. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone.

Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional product specific SAR information can also be obtained at www.fcc.gov/cgb/sar.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile phones and genuine Samsung accessories.

Go to: http://www.samsung.com/us/consumer/type/type.do?group=mobilephones&type=mobilephones for more information.

UL Certified Travel Adapter

The Travel Adapter for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines.

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET. THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTATED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Consumer Information on Wireless Phones

The U.S. Food and Drug Administration (FDA) has published a series of Questions and Answers for consumers relating to radio frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

What kinds of phones are the subject of this update?

The term wireless phone refers here to hand-held wireless phones with built-in antennas, often called "cell," "mobile," or "PCS" phones. These types of wireless phones can expose the user to measurable radio frequency energy (RF) because of the short distance between the phone and the user's head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person's RF exposure decreases rapidly with increasing distance from the source. The so-called "cordless phones," which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures well within the FCC's compliance limits.

Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radio frequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wireless phones are shown to emit radio frequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the

health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

• Support needed research into possible biological effects of RF of the type emitted by wireless phones;

• Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function; and

• Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

• National Institute for Occupational Safety and Health

• Environmental Protection Agency

• Federal Communications Commission

• Occupational Safety and Health Administration

• National Telecommunications and Information Administration

The National Institutes of Health participates in some interagency working group activities, as well.

FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones.

FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wireless phones.

Base stations are thus not the primary subject of the safety questions discussed in this document.

What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radio frequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with

cancer-causing chemicals so as to be pre-disposed to develop cancer in absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day. These conditions are not similar to the conditions under which people use wireless phones, so we don't know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phones RF exposures.

However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but ten or more years' follow-up may be needed to provide answers about some health effects, such as cancer.

This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radio frequency energy (RF).

FDA has been a leading participant in the World Health Organization international Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world. The Project has also helped develop a series of public information documents on EMF issues.

FDA and Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations.

CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

What steps can I take to reduce my exposure to radio frequency energy from my wireless phone?

If there is a risk from these products - and at this point we do not know that there is - it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radio frequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

• If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone

away from your body or use a wireless phone connected to a remote antenna.

Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wireless phone use.

What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radio frequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wireless phone use and increasing the distance between the user and the RF source will reduce RF exposure.

Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000.

They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it

was not based on scientific evidence that any health hazard exists.

Do hands-free kits for wireless phones reduce risks from exposure to RF emissions?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used with wireless phones for convenience and comfort. These systems reduce the absorption of RF energy in the head because the phone, which is the source of the RF emissions, will not be placed against the head. On the other hand, if the phone is mounted against the waist or other part of the body during use, then that part of the body will absorb more RF energy. Wireless phones marketed in the U.S. are required to meet safety requirements regardless of whether they are used against the head or against the body. Either configuration should result in compliance with the safety limit.

Do wireless phone accessories that claim to shield the head from RF radiation work?

Since there are no known risks from exposure to RF emissions from wireless phones, there is no reason to believe that accessories that claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing

more than a metallic accessory attached to the phone. Studies have shown that these products generally do not work as advertised. Unlike "hand-free" kits, these so-called "shields" may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption. In February 2002, the Federal trade Commission (FTC) charged two companies that sold devices that claimed to protect wireless phone users from radiation with making false and unsubstantiated claims.

According to FTC, these defendants lacked a reasonable basis to substantiate their claim.

What about wireless phone interference with medical equipment?

Radio frequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI. FDA has tested

wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that no interference occurs when a person uses a compatible phone and a compatible hearing aid at the same time. This standard was approved by the IEEE in 2000.

FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (Updated 12/1/2006):

• FCC RF Safety Program:
  http://www.fcc.gov/oet/rfsafety/

• Environmental Protection Agency (EPA):
  http://www.epa.gov/radiation/

• Occupational Safety and Health Administration's (OSHA):
  http://www.osha.gov/SLTC/radiofrequencyradiation/index.html

• National Institute for Occupational Safety and Health (NIOSH):
  http://www.cdc.gov/niosh/homepage.html

• World Health Organization (WHO):
  http://www.who.int/peh-emf/

• International Commission on Non-Ionizing Radiation Protection:
  http://www.icnirp.de

• National Radiation Protection Board (UK):
  http://www.hpa.org.uk/radiation

• US Food and Drug Administration
  http://www.fda.gov/cellphones

Road Safety

Your wireless phone gives you the powerful ability to communicate by voice, almost anywhere, anytime. But an important responsibility accompanies the benefits of wireless phones, one that every user must uphold.

When driving a car, driving is your first responsibility. When using your wireless phone behind the wheel of a car, practice good common sense and remember the following tips:

1. Get to know your wireless phone and its features, such as speed dial and redial. If available, these features help you to place your call without taking your attention off the road.

2. When available, use a hands-free device. If possible, add an additional layer of convenience and safety to your wireless phone with one of the many hands free accessories available today.

3. Position your wireless phone within easy reach. Be able to access your wireless phone without removing your eyes from the road. If you get an incoming call at an inconvenient time, let your voice mail answer it for you.

4. Let the person you are speaking with know you are driving; if necessary, suspend the call in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice and even heavy traffic can be hazardous.

5. Do not take notes or look up phone numbers while driving. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility, driving safely.

6. Dial sensibly and assess the traffic; if possible, place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call while moving, dial only a few numbers, check the road and your mirrors, then continue.

7. Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.

8. Use your wireless phone to call for help. Dial 9-1-1 or other local emergency number in the case of fire, traffic accident or medical emergencies.

9. Use your wireless phone to help others in emergencies. If you see an auto accident, crime in progress or other serious emergency where lives are in danger, call 9-1-1 or other local emergency number, as you would want others to do for you.

10. Call roadside assistance or a special non-emergency wireless assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or other special non-emergency number.

"The wireless industry reminds you to use your phone safely when driving."

For more information, please call 1-888-901-SAFE, or visit our web-site www.ctia.org.

Important!: If you are using a handset other than a standard numeric keypad, please call 1-888-901-7233.

Provided by the Cellular Telecommunications & Internet Association.

Responsible Listening

Caution!: Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cellular telephones, at high volume settings for long durations may lead to permanent noise-induced hearing loss. This includes the use of headphones (including headsets, earbuds, and Bluetooth or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound and distorted hearing.

Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings and equipment.

You should follow some commonsense recommendations when using any portable audio device:

• Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.

• When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.

• Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, you noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.

• Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.

• Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.

• Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300

Reston, VA 20190

Voice: (800) 222-2336

Email: info@audiology.org

Internet: http://www.audiology.org

National Institute on Deafness and Other Communication Disorders

National Institutes of Health

31 Center Drive, MSC 2320

Bethesda, MD 20892-2320

Voice: (301) 496-7243

Email: nidcdinfo@nih.gov

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

National Institute for Occupational Safety and Health

Hubert H. Humphrey Bldg.

200 Independence Ave., SW

Washington, DC 20201

Voice: 1-800-35-NIOSH (1-800-356-4647)

Internet: http://www.cdc.gov/niosh/topics/noise/default.html

Operating Environment

Remember to follow any special regulations in force in any area and always switch your phone off whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder if you are using an external antenna).

Using Your Phone Near Other Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless phone and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:
• Should ALWAYS keep the phone more than six (6) inches from their implantable medical device when the phone is turned ON;
• Should not carry the phone in a breast pocket;
• Should use the ear opposite the implantable medical device to minimize the potential for interference;

• Should turn the phone OFF immediately if there is any reason to suspect that interference is taking place.
• Should read and follow the directions from the manufacturer of your implantable medical device. if you have any questions about using your wireless phone with such a device, consult your health care provider.

For more information see:

http://www.fcc.gov/oet/rfsafety/rf-faqs.html

FCC Hearing-Aid Compatibility (HAC) Regulations for Wireless Devices

On July 10, 2003, the U.S. Federal Communications Commission (FCC) Report and Order in WT Docket 01-309 modified the exception of wireless phones under the Hearing Aid Compatibility Act of 1988 (HAC Act) to require digital wireless phones be compatible with hearing-aids.

The intent of the HAC Act is to ensure reasonable access to telecommunications services for persons with hearing disabilities.

While some wireless phones are used near some hearing devices (hearing aids and cochlear implants), users may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and phones also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless phones, to assist hearing device users find phones that may be compatible with their hearing devices. Not all phones have been rated. Phones that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not be able to use a rated phone successfully. Trying out the phone with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Phones rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. M4 is the better/higher of the two ratings.

T-Ratings: Phones rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than phones that are not labeled. T4 is the better/higher of the two ratings.

Hearing devices may also be rated. Your hearing device manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise. The hearing aid and wireless phone rating values are then added together. A sum of 5

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is considered acceptable for normal use. A sum of 6 is considered for best use.

M3   +   M2   =   5   T3   +   T2   =   5
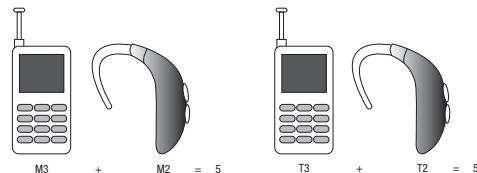
In the above example, if a hearing aid meets the M2 level rating and the wireless phone meets the M3 level rating, the sum of the two values equal M5. This is synonymous for T ratings. This should provide the hearing aid user with "normal usage" while using their hearing aid with the particular wireless phone. "Normal usage" in this context is defined as a signal quality that is acceptable for normal operation.

The M mark is intended to be synonymous with the U mark. The T mark is intended to be synonymous with the UT mark. The M and T marks are recommended by the Alliance for Telecommunications Industries Solutions (ATIS). The U and UT marks are referenced in Section 20.19 of the FCC Rules.

The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your phone off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your phone off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch the phone off while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

Emergency Calls

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions, which cannot guarantee connection in all conditions. Therefore, you should never rely solely on any wireless phone for essential communications (medical emergencies, for example).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.

2. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.

3. Press the ![key icon] key.

If certain features are in use (call barring, for example), you may first need to deactivate those features before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your phone may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Restricting Children's access to your Phone

Your phone is not a toy. Children should not be allowed to play with it because they could hurt themselves and others, damage the phone or make calls that increase your phone bill.

FCC Notice and Cautions

FCC Notice

The phone may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the phone if such interference cannot be eliminated.

Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association, One Batterymarch Park, Quincy, MA 02269, Attn: Publication Sales Division.

Cautions

Any changes or modifications to your phone not expressly approved in this document could void your warranty for this equipment, and void your authority to operate this equipment. Only use approved batteries, antennas and chargers. The use of any unauthorized accessories may be dangerous and void the phone warranty if said accessories cause damage or a defect to the phone.

Although your phone is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the phone or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your phone off before boarding an aircraft. The use of wireless phone in aircraft is illegal and may be dangerous to the aircraft's operation.
- Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Product Performance

Getting the Most Out of Your Signal Reception

The quality of each call you make or receive depends on the signal strength in your area. Your phone informs you of the current signal strength by displaying a number of bars next to the signal strength icon. The more bars displayed, the stronger the signal.

If you're inside a building, being near a window may give you better reception.

Understanding the Power Save Feature

If your phone is unable to find a signal after searching, a Power Save feature is automatically activated. If your phone is active, it periodically rechecks service availability or you can check it yourself by pressing any key.

Anytime the Power Save feature is activated, a message displays on the screen. When a signal is found, your phone returns to standby mode.

Understanding How Your Phone Operates

Your phone is basically a radio transmitter and receiver. When it's turned on, it receives and transmits radio frequency (RF) signals. When you use your phone, the system handling your call controls the power level. This power can range from 0.006 watts to 0.2 watts in digital mode.

Maintaining Your Phone's Peak Performance

For the best care of your phone, only authorized personnel should service your phone and accessories. Faulty service may void the warranty.

There are several simple guidelines to operating your phone properly and maintaining safe, satisfactory service.

• To ensure that the Hearing Aid Compatibility rating for your phone is maintained, secondary transmitters such as Bluetooth and WLAN components must be disabled during a call. For more information, refer to *"Turn Bluetooth On/Off"* on page 57.

• If your phone is equipped with an external antenna, hold the phone with the antenna raised, fully-extended and over your shoulder.

• Do not hold, bend or twist the phone's antenna, if applicable.

• Do not use the phone if the antenna is damaged.

• If your phone is equipped with an internal antenna, obstructing the internal antenna could inhibit call performance.

• Speak directly into the phone's receiver.

• Avoid exposing your phone and accessories to rain or liquid spills. If your phone does get wet, immediately turn the power off and remove the battery. If it is inoperable, call Customer Care for service.

Availability of Various Features/Ring Tones

Many services and features are network dependent and may require additional subscription and/or usage charges. Not all features are available for purchase or use in all areas. Downloadable Ring Tones may be available at an additional cost. Other conditions and restrictions may apply. See your service provider for additional information.

Battery Standby and Talk Time

Standby and talk times will vary depending on phone usage patterns and conditions. Battery power consumption depends on factors such as network configuration, signal strength, operating temperature, features selected, frequency of calls, and voice, data, and other application usage patterns.

Battery Precautions

• Avoid dropping the cell phone. Dropping it, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.

• Never use any charger or battery that is damaged in any way.

• Do not modify or remanufacture the battery as this could result in serious safety hazards.

• If you use the phone near the network's base station, it uses less power; talk and standby time are greatly affected by the signal strength on the cellular network and the parameters set by the network operator.

• Follow battery usage, storage and charging guidelines found in the user's guide.

- Battery charging time depends on the remaining battery charge and the type of battery and charger used. The battery can be charged and discharged hundreds of times, but it will gradually wear out. When the operation time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- If left unused, a fully charged battery will discharge itself over time.
- Use only Samsung-approved batteries and recharge your battery only with Samsung-approved chargers. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for more than a week, since overcharging may shorten its life.
- Do not use incompatible cell phone batteries and chargers. Some Web sites and second-hand dealers, not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, leakage, or other serious hazard.
- Extreme temperatures will affect the charging capacity of your battery: it may require cooling or warming first.
- Do not leave the battery in hot or cold places, such as in a car in summer or winter conditions, as you will reduce the capacity and

lifetime of the battery. Always try to keep the battery at room temperature. A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. Li-ion batteries are particularly affected by temperatures below 0 °C (32 °F).
- Do not place the phone in areas that may get very hot, such as on or near a cooking surface, cooking appliance, iron, or radiator.
- Do not get your phone or battery wet. Even though they will dry and appear to operate normally, the circuitry could slowly corrode and pose a safety hazard.
- Do not short-circuit the battery. Accidental short-circuiting can occur when a metallic object (coin, clip or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.
- Do not permit a battery out of the phone to come in contact with metal objects, such as coins, keys or jewelry.
- Do not crush, puncture or put a high degree of pressure on the battery as this can cause an internal short-circuit, resulting in overheating.
- Dispose of used batteries in accordance with local regulations. In some areas, the disposal of batteries in household or business trash may be prohibited. For safe disposal options for Li-Ion batteries, contact your nearest Samsung authorized service center. Always recycle. Do not dispose of batteries in a fire.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years.

• Keep the phone and all its parts and accessories out of the reach of small children.

• Keep the phone dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.

• Do not use the phone with a wet hand. Doing so may cause an electric shock to you or damage to the phone.

• Do not use or store the phone in dusty, dirty areas, as its moving parts may be damaged.

• Do not store the phone in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.

• Do not store the phone in cold areas. When the phone warms up to its normal operating temperature, moisture can form inside the phone, which may damage the phone's electronic circuit boards.

• Do not drop, knock or shake the phone. Rough handling can break internal circuit boards.

• Do not use harsh chemicals, cleaning solvents or strong detergents to clean the phone. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

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• Do not paint the phone. Paint can clog the device's moving parts and prevent proper operation.

• Do not put the phone in or on heating devices, such as a microwave oven, a stove or a radiator. The phone may explode when overheated.

• If your phone is equipped with an external antenna, use only the supplied or an approved replacement antenna. Unauthorized antennas or modified accessories may damage the phone and violate regulations governing radio devices.

• If the phone, battery, charger or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

Section 13: Warranty Information

Standard Limited Warranty

What is Covered and For How Long?
SAMSUNGTELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG")
warrants to the original purchaser ("Purchaser") that SAMSUNG's
Phones and accessories ("Products") are free from defects in
material and workmanship under normal use and service for the
period commencing upon the date of purchase and continuing for
the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Leather Case	90 Days
Holster	90 Days
Other Phone Accessories	1 Year

What is Not Covered? This Limited Warranty is conditioned upon
proper use of Product by Purchaser. This Limited Warranty does
not cover: (a) defects or damage resulting from accident, misuse,
abuse, neglect, unusual physical, electrical or electromechanical
stress, or modification of any part of Product, including antenna,
or cosmetic damage; (b) equipment that has the serial number

removed or made illegible; (c) any plastic surfaces or other
externally exposed parts that are scratched or damaged due to
normal use; (d) malfunctions resulting from the use of Product in
conjunction with accessories, products, or ancillary/peripheral
equipment not furnished or approved by SAMSUNG; (e) defects or
damage from improper testing, operation, maintenance,
installation, or adjustment; (f) installation, maintenance, and
service of Product, or (g) Product used or purchased outside the
United States or Canada.

This Limited Warranty covers batteries only if battery capacity
falls below 80% of rated capacity or the battery leaks, and this
Limited Warranty does not cover any battery if (i) the battery has
been charged by a battery charger not specified or approved by
SAMSUNG for charging the battery, (ii) any of the seals on the
battery are broken or show evidence of tampering, or (iii) the
battery has been used in equipment other than the SAMSUNG
phone for which it is specified.

What are SAMSUNG's Obligations? During the applicable warranty
period, SAMSUNG will repair or replace, at SAMSUNG's sole
option, without charge to Purchaser, any defective component
part of Product. To obtain service under this Limited Warranty,
Purchaser must return Product to an authorized phone service

facility in an adequate container for shipping, accompanied by Purchaser's sales receipt or comparable substitute proof of sale showing the date of purchase, the serial number of Product and the sellers' name and address. To obtain assistance on where to deliver the Product, call Samsung Customer Care at 1-888-987-4357. Upon receipt, SAMSUNG will promptly repair or replace the defective Product. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product or replace Product with a rebuilt, reconditioned or new Product. Repaired/replaced leather cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Product will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for 90 days, whichever is longer. All replaced parts, components, boards and equipment shall become the property of SAMSUNG.

If SAMSUNG determines that any Product is not covered by this Limited Warranty, Purchaser must pay all parts, shipping, and labor charges for the repair or return of such Product.

WHAT ARE THE LIMITS ON SAMSUNG'S WARRANTY/LIABILITY?
EXCEPT AS SET FORTH IN THE EXPRESS WARRANTY CONTAINED HEREIN, PURCHASER TAKES THE PRODUCT "AS IS," AND SAMSUNG MAKES NO WARRANTY OR REPRESENTATION AND THERE ARE NO CONDITIONS, EXPRESS OR IMPLIED, STATUTORY

OR OTHERWISE, OF ANY KIND WHATSOEVER WITH RESPECT TO THE PRODUCT, INCLUDING BUT NOT LIMITED TO:

• THE MERCHANTABILITY OF THE PRODUCT OR ITS FITNESS FOR ANY PARTICULAR PURPOSE OR USE;

• WARRANTIES OF TITLE OR NON-INFRINGEMENT;

• DESIGN, CONDITION, QUALITY, OR PERFORMANCE OF THE PRODUCT;

• THE WORKMANSHIP OF THE PRODUCT OR THE COMPONENTS CONTAINED THEREIN; OR

• COMPLIANCE OF THE PRODUCT WITH THE REQUIREMENTS OF ANY LAW, RULE, SPECIFICATION OR CONTRACT PERTAINING THERETO.

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Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important!: Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Customer Care Center:

1000 Klein Rd.

Plano, TX 75074

Toll Free Tel: 1.888.987.HELP (4357)

Samsung Telecommunications America, LLC

1301 East Lookout Drive

Richardson, Texas 75082

Phone: 1-800-SAMSUNG (726-7864)

Important!: If you are using a handset other than a standard numeric keypad, dial the numbers listed in brackets.

Phone: 1-888-987-HELP (4357)

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